

**NOKIA****VCR 3784 HIFI VPS/SV
VCR 3784 HIFI N/SV
VCR 3784 HIFI UK/VP**

Schaltbilder, Leiterplatten, Ersatzteile-Liste, Elektrischer Abgleich.

Mechanik-Justagen siehe nächste Seite.

Sicherheitsbauteil!

Dieses Symbol kennzeichnet in den Schaltbildern alle Bauteile, die nur durch Originalteile ersetzt werden dürfen.

Bei Reparaturen gültige Sicherheitsvorschriften beachten!

Circuit diagrams, P. C. B., spare parts list, electrical alignment.

Mechanical adjustments see next page.

Safety Component!

This symbol identifies in the circuit diagrams all safety critical parts. Replace only with specified part numbers.

Service and repair work to be performed only in accordance with existing safety regulations!

Schémas, circuits imprimés, liste des pièces détachées, alignement.

Mécanique ajustages voir page suivante.

Composant de protection!

Ce symbol indique tous les composants dans les schémas, qui doivent être remplacés uniquement par des pièces d'origines.

Pendant le dépannage, respecter les régulations de sécurité!

Liste der Service-Manuale List of Service Manuals Liste des manuals	Elektrischer Abgleich, Schaltbilder, Leiterplatten, Ersatzteile-Liste	Mechanik-Justagen
Modell Model Modèle	Electrical alignment, circuit diagram, P.C.B., spare parts list Alignment, schèmas circ. imprimés, liste des pièces détachées	Mechanical adjustments Méchanique ajustages
	No.	No.
NOKIA VCR 3704 VPS NOKIA VCR 3704 NOKIA VCR 3704 EE	6611 74 35	6611 74 46
LUXOR VCR 4704 SALORA VCR 624	6611 74 36	
NOKIA VCR 3744 VPS/SV NOKIA VCR 3744 SV NOKIA VCR 3744 UK/VP	6611 74 37	
LUXOR VCR 4744 SV SALORA VCR 824 SV	6611 74 38	
NOKIA VCR 3764 HIFI VPS NOKIA VCR 3764 HIFI N	6611 74 39	
LUXOR VCR 4764 HIFI N SALORA VCR 914 HIFI N	6611 74 40	
NOKIA VCR 3784 HIFI VPS/SV NOKIA VCR 3784 HIFI N/SV NOKIA VCR 3784 HIFI UK/VP	6611 74 41	
LUXOR VCR 4784 HIFI N/SV SALORA VCR 924 HIFI N/SV	6611 74 42	
NOKIA VCR 3724 UK/VP NOKIA VCR 3724 IR/VP	6611 74 43	
NOKIA VCR 3714 VPS/SV NOKIA VCR 3714 SV	6611 74 44	
NOKIA VCR 3784 HIFI IR/VP	6611 74 45	

NOTE!

Manual 6611 74 46
is only a supplement
for the '93 models.
The Basic Manual is
6611 77 06. (1990).

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CIRCUIT DIAGRAMS (Refer to the separate volume)

1. DISASSEMBLY

1-1. REMOVAL OF CABINET, MECHANISM UNIT AND MAIN BOARD

REMOVING THE CABINET PARTS (Fig. 1.1.1)

1. Remove the cabinet and bottom cover by removing the four screws (A) and five screws (B).
2. Remove the front panel by removing the locks of the clamps (C) using a screwdriver, etc. and slightly rotating the bottom part in the direction of the arrow.

NOTE: Electrical adjustments for the this model can be performed with only the cabinet removed.

REMOVING THE MECHANISM MAIN UNIT (Fig. 1.1.2)

After removing the cabinet parts:

1. Remove the 12-pin connector from CN511 and the two screws (D), and then remove the PW-1 PWB Ass'y.
2. Remove the two red screws (E), and then remove the TN-5 PWB. It is not necessary to remove the cables connected between the TN-5 PWB and CP-1 PWB Ass'y. (Except VCR 3784 HIFI VPS/SV)
3. Remove the 8-pin connector from the ACE head, and the 2-pin connector and 24-wire flat cable from the MC-2 PWB.
4. Remove the flat cable from the Cylinder Ass'y, then the two screws (F), and finally the VP-1PWB Ass'y. It is not necessary to remove the two party cables connected between the VP-1 PWB Ass'y and CP-1 PWB Ass'y.

5. Remove the mechanism main unit by removing the two screws (G) and two screws (H). Remove, as well, the two screws (J) at the cassette tray side while pressing the tray lock lever as shown in the enlarged view and pushing the cassette tray to the position where the two screws (J) appear.

REMOVING THE CP-1 PWB ASSEMBLY (Fig. 1.1.3)

After removing the cabinet parts and the mechanism unit:

1. Pull out the TM-1 PWB Ass'y from CN301 and CN302 while pressing and spreading out the four clamps (K) as shown by the arrows.
2. Remove the holder set to the opening of the chassis, while pressing the clamp in the direction of the arrow.
3. Remove the two red screws (L) and the screw (P). Next, remove the CP-1 PWB Ass'y by lifting it straight up while pressing and spreading out the two clamps (M) as shown by the arrows.

M-TP4H/GIT-1

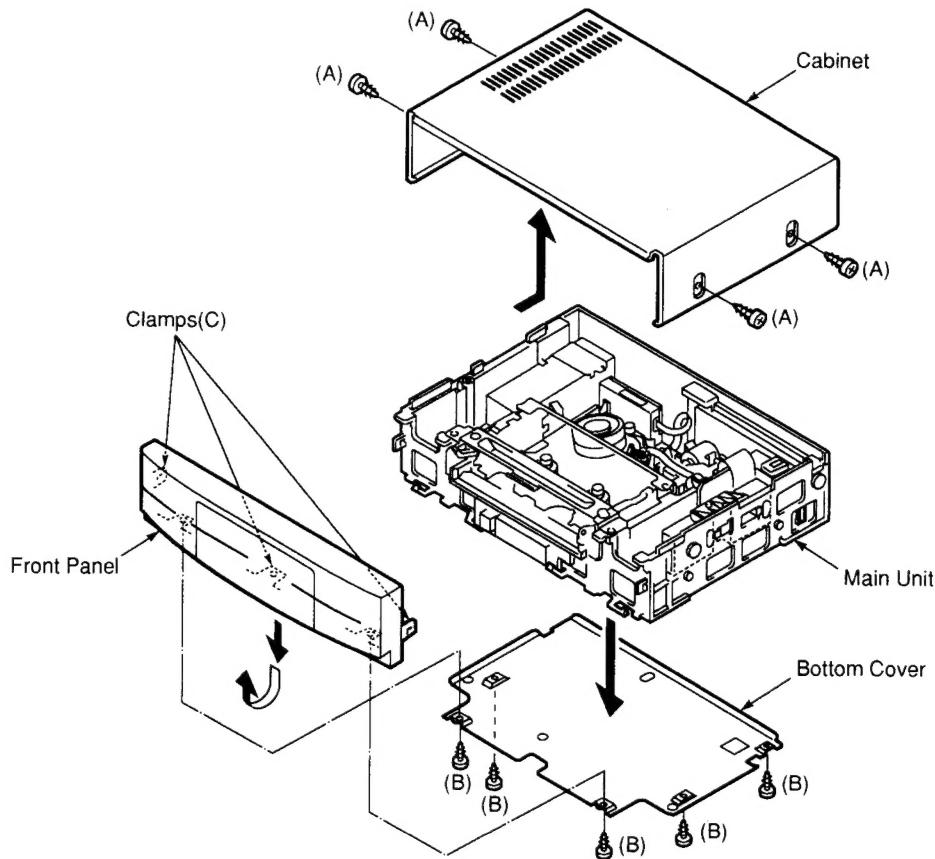
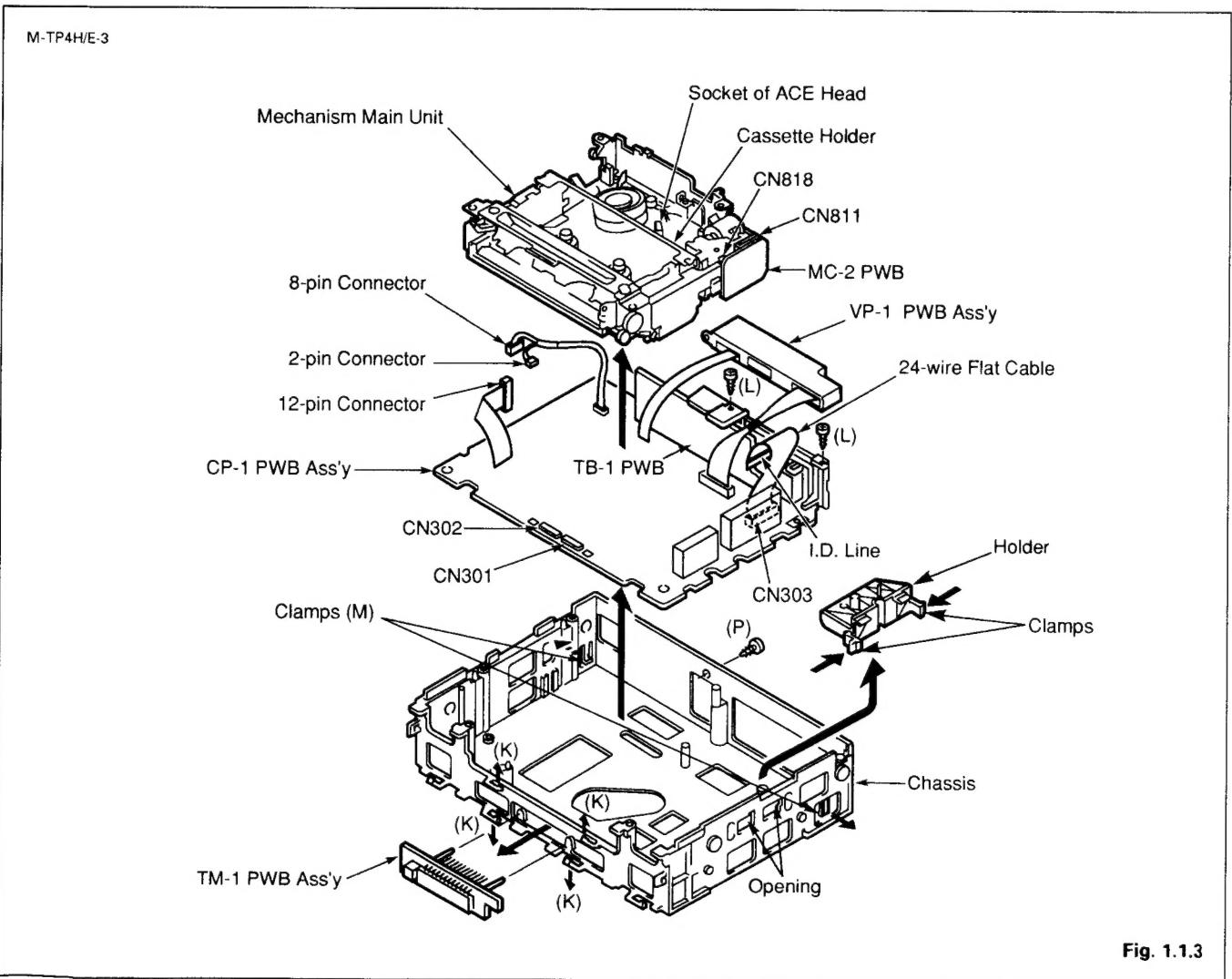
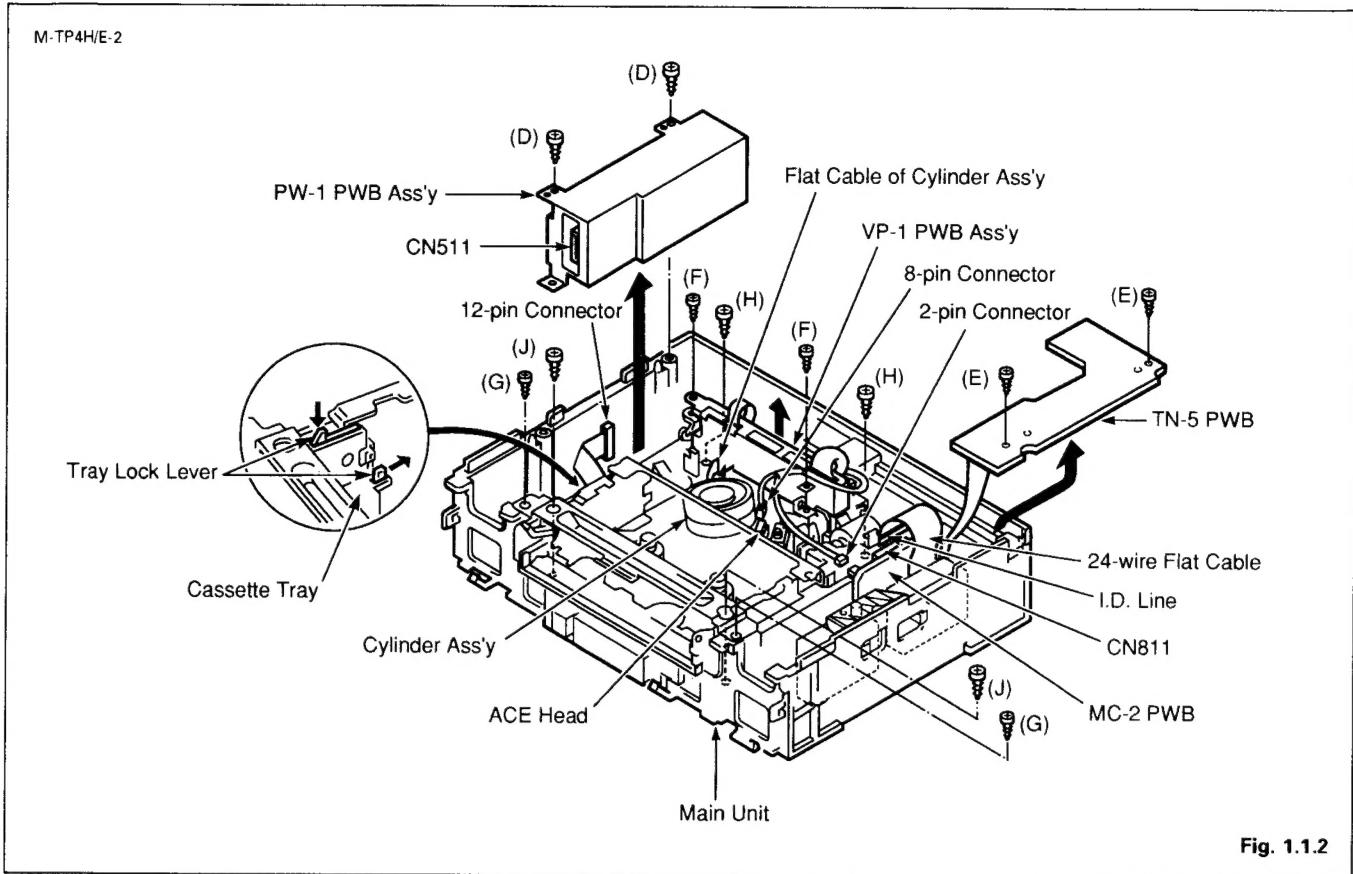


Fig. 1.1.1



TEMPORARILY SETTING UP AND CONNECTING MAIN PWB ASSEMBLY

The following is an example of how to place and connect the main PWB not requiring a jig, when repairing the CP-1 PWB assembly (Fig. 1.1.4)

1. Place the mechanism main unit at the fixed position on the chassis.
2. Insert the VP-1 PWB Ass'y at the fixed position of the mechanism unit and connect the flat cable of the Cylinder Ass'y.
3. Connect the 24-wire flat cable and the 2-pin connector to the MC-2 PWB, and then connect the 8-pin connector to the ACE head.
4. Connect the TM-1 PWB Ass'y to operate the VCR by using the remote control, and then connect the 12-pin connector to the CN511 for the PW-1 PWB Ass'y.
5. Place the CP-1 PWB Ass'y above the mechanism main unit along the cassette holder. Insert the tip (N) of the terminal board into the opening (O) at the side of the chassis, as shown in the enlarge view.

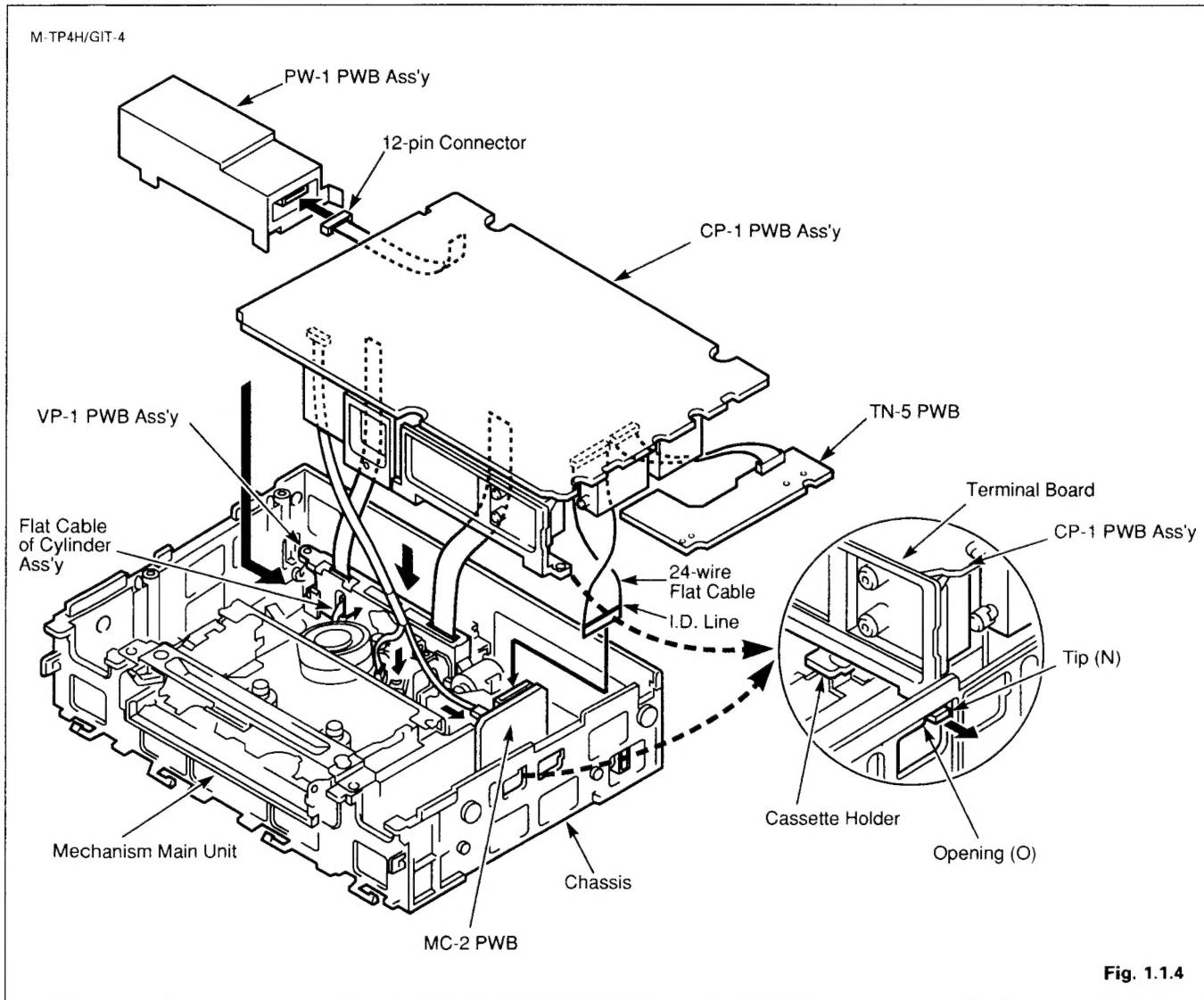
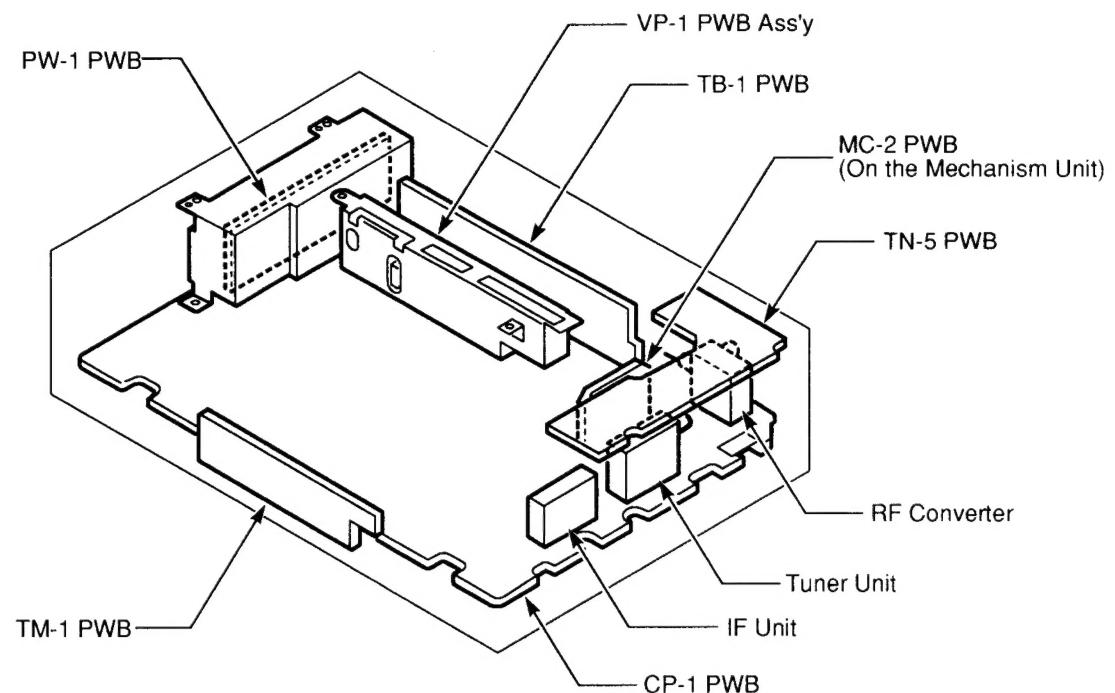


Fig. 1.1.4

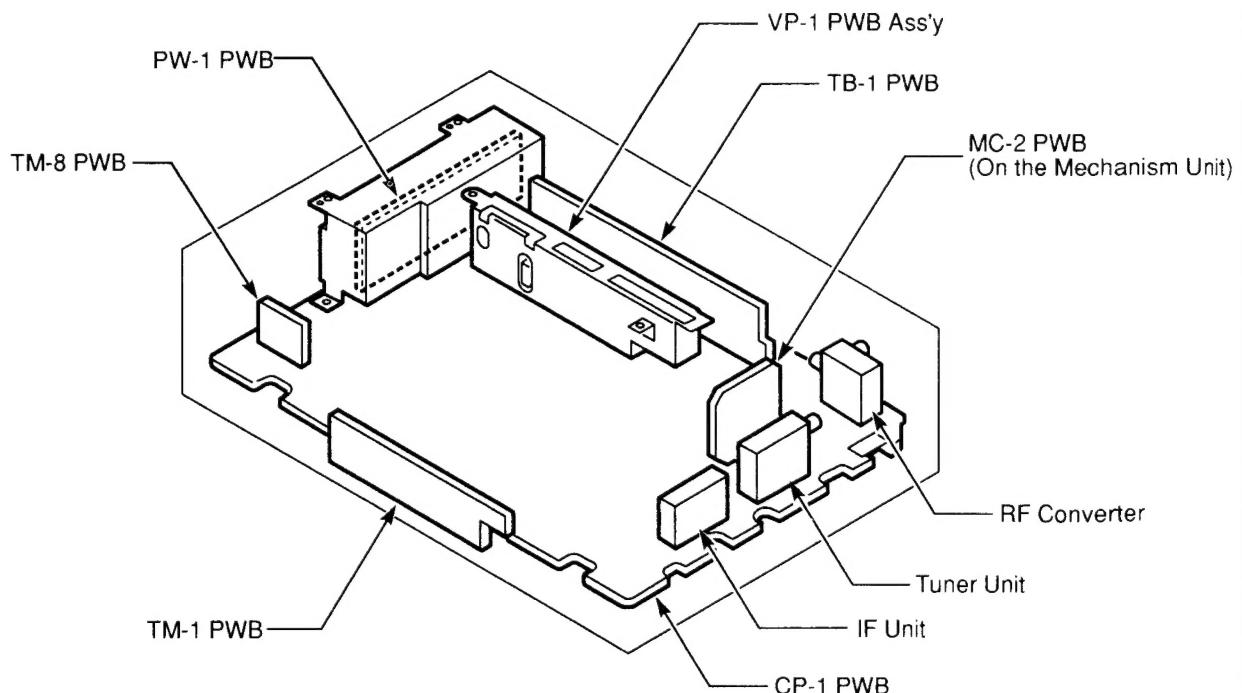
1-2. MAIN CIRCUIT BOARD LOCATIONS

L-TP4H/E



VCR 3784 HIFI N/SV, VCR 3784 HIFI UK/VP

L-TP4H/GIT



VCR 3784 HIFI VPS/SV

Fig. 1.2.1

2. ELECTRICAL ADJUSTMENT

PREPARATION

This VCR need 4 basic presetting by using the menus displayed on-screen.

After all connection have been made, then follow steps 1 to 4 to preset the VCR.

The 4 presetting steps will be displayed in sequence on TV screen. The setting are entered with the remote control.

Turn on the VCR

1. Adjusting the TV receiver to the video channel: The WELCOME screen will appear. When the video channel has been preset, press the OK button on the remote control.
2. Language selection: Select the desired language, then press the OK button.
3. Clock setting: Using the remote control numeric buttons, enter the date and time, press the OK button.
4. Tuning control adjustments: When the channel position has been preset, press the MENU/TV button. When steps 1 to 4 have been finish, ready to operate the all operating mode.

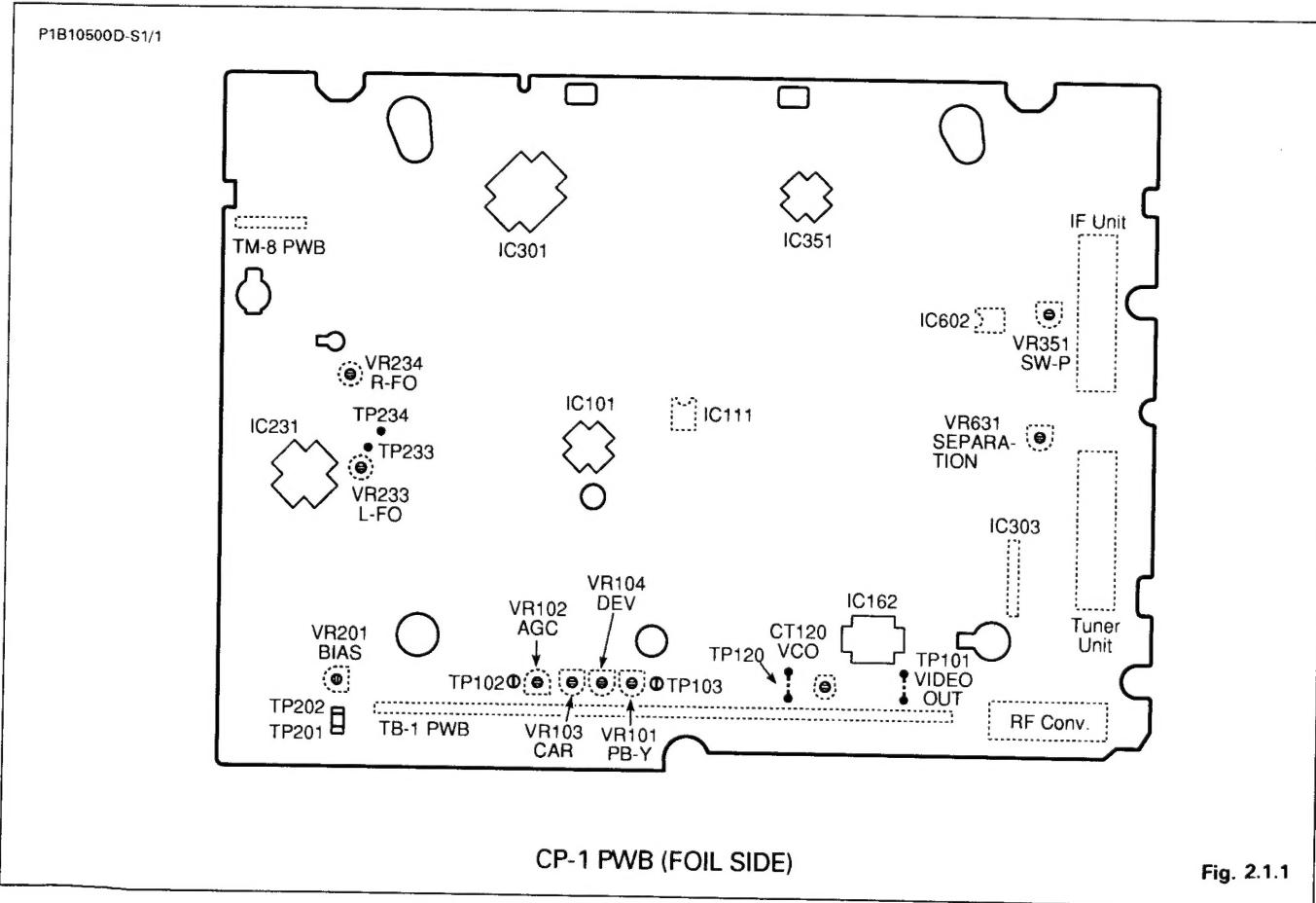
2-1. SERVO CIRCUIT ADJUSTMENT

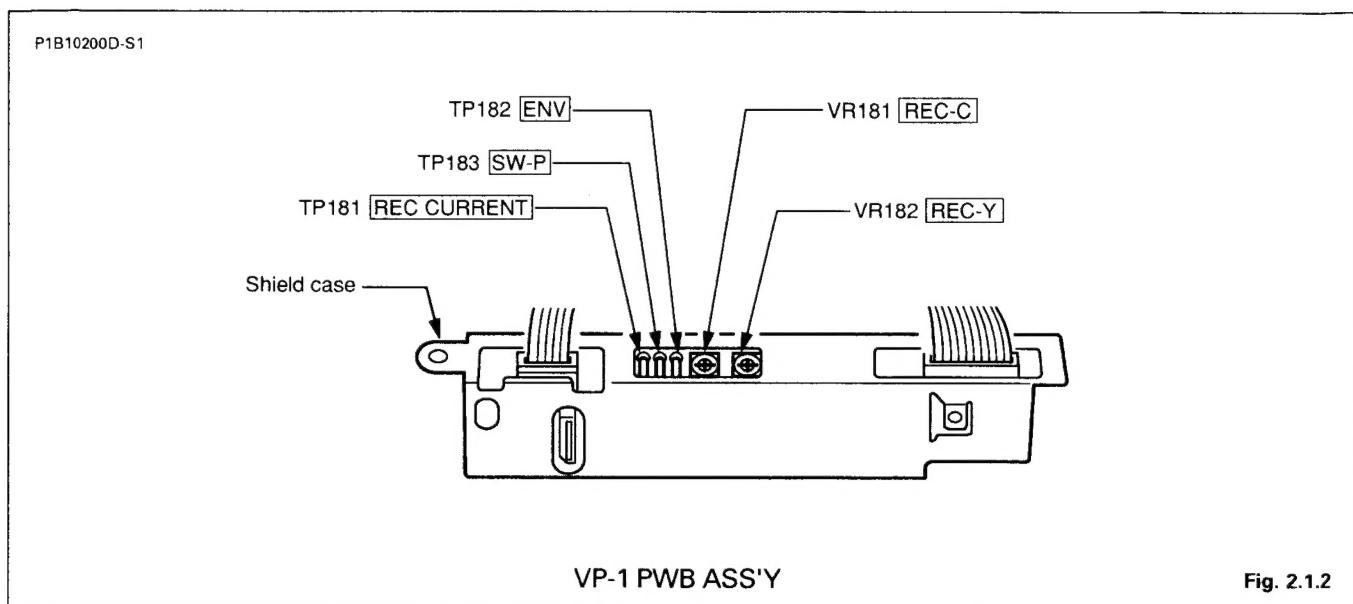
- These adjustments should be carried out upon completion of the tape transport adjustments.
- If the tape transport adjustments (except the tilt adjustment) are carried out after these adjustments, follow the procedures again in Section 2-1-3. SWITCHING POSITION ADJ.
- When a cassette tape is loaded, auto-tracking will be set immediately after starting the first playback. As this will deviate the tracking center set, be sure to press the channel buttons (Δ) or (▽) once directly after starting playback to prevent auto-tracking from being set.

2-1-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Oscilloscope	Vertical sensitivity: 5 mV/DIV, external trigger Band width: more than 10 MHz
Test Tape	VHJ-0009 or VHJ-0023: SP mode, monoscope, 6 KHz
Blank Tape	VHS-type cassette tape
Monitor TV	

2-1-2. LOCATION OF ADJUSTMENT POINTS



**NOTE:**

- Self-recording means "Record any broadcasting or video signal and play back the just-recorded portion".

2-1-3. SWITCHING POSITION ADJ.

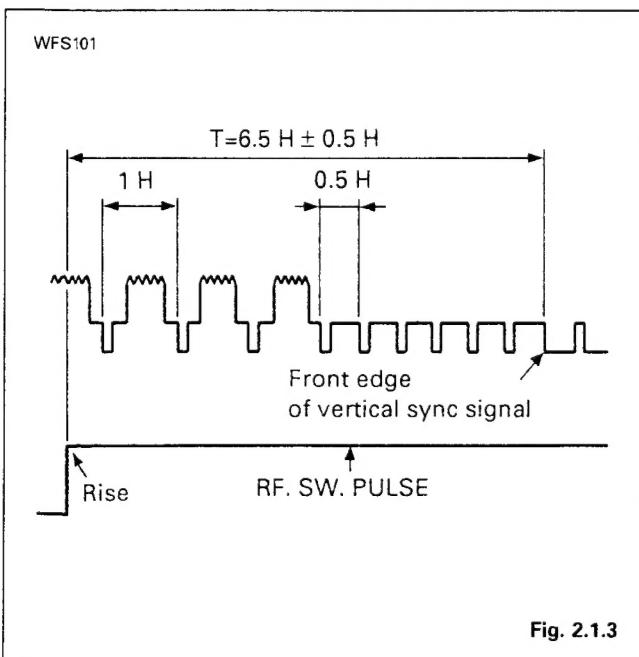
Measuring Point	Measuring Equipment	ADJ. Condition
TP101 (VIDEO OUT) TP183 (SW-P)	Oscilloscope	PLAY(SP) mode Test tape (VHJ-0009 or VHJ-0023)
ADJ. Location	ADJ. Value	
VR351 (SW-P)	$6.5 \text{ H} \pm 0.5 \text{ H}$	

- Set the tracking control position to the center by pressing CHANNEL buttons (Δ) and (∇) simultaneously. (Tracking center position display in the indicator panel "T :-:-")
- Adjust VR351 (SW-P) so that the width "T" becomes $6.5 \text{ H} \pm 0.5 \text{ H}$ as shown in Fig. 2.1.3.

2-1-4. STILL V-LOCK ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
Picture of monitor TV	Color bar generator or Broadcasting Monitor	Self-recording (SP mode) STILL mode Blank tape
		----- Self-recording (LP mode) STILL mode Blank tape
ADJ. Location	ADJ. Value	
CHANNEL (Δ) button	The minimum vertical shake	
CHANNEL (∇) button		

- Play back the just-recorded portion and then set the VCR in the STILL mode.
- Press the CHANNEL (Δ) button or the CHANNEL (∇) button so that any vertical shake of the picture is brought to its minimum.



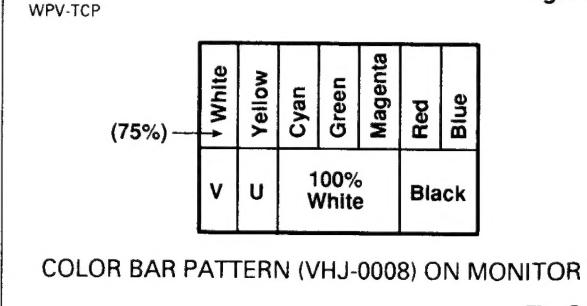
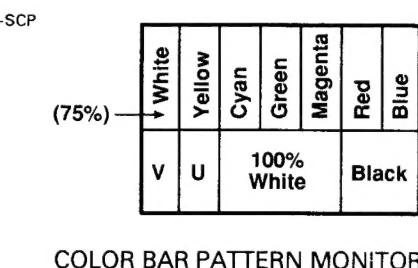
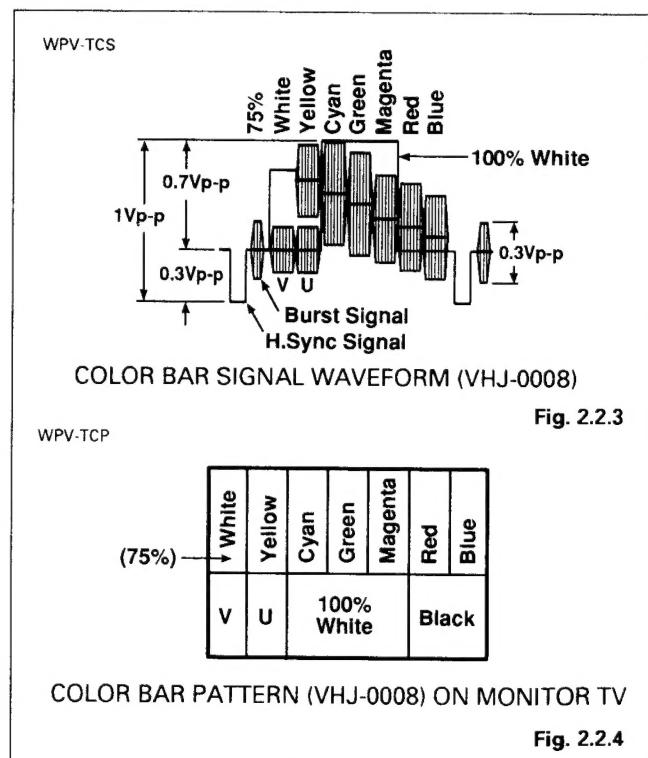
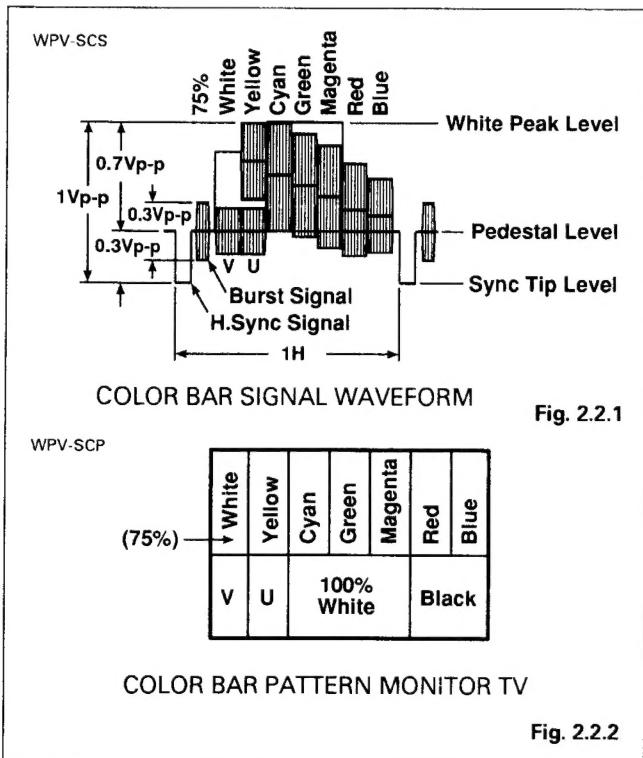
2-2. VIDEO CIRCUIT ADJUSTMENT

- Before making the following adjustments, Section 2-1. SERVO CIRCUIT ADJUSTMENT should be completed.
- Use the relay jig to provide simple adjustment of the VP-1 PWB Ass'y.

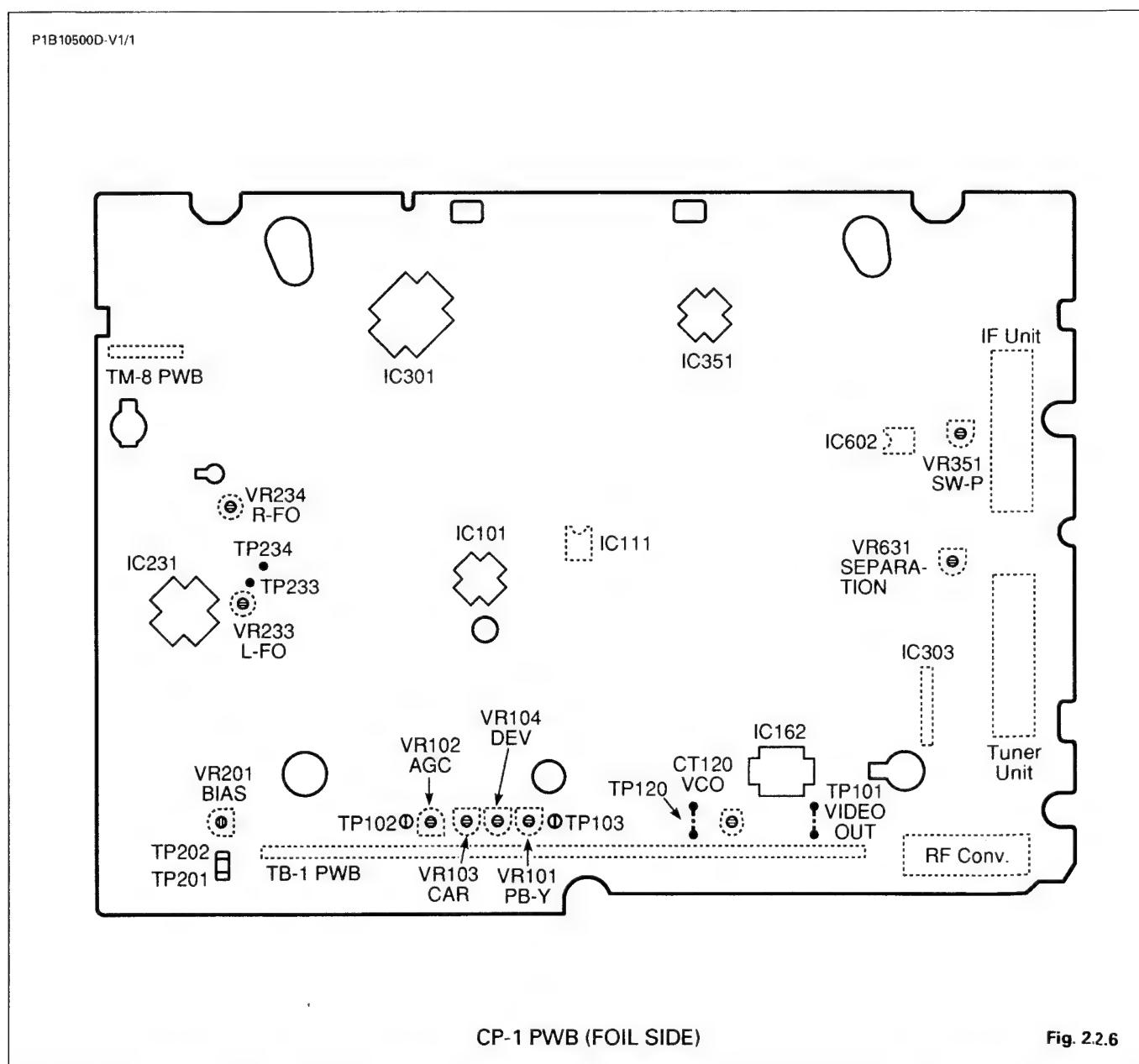
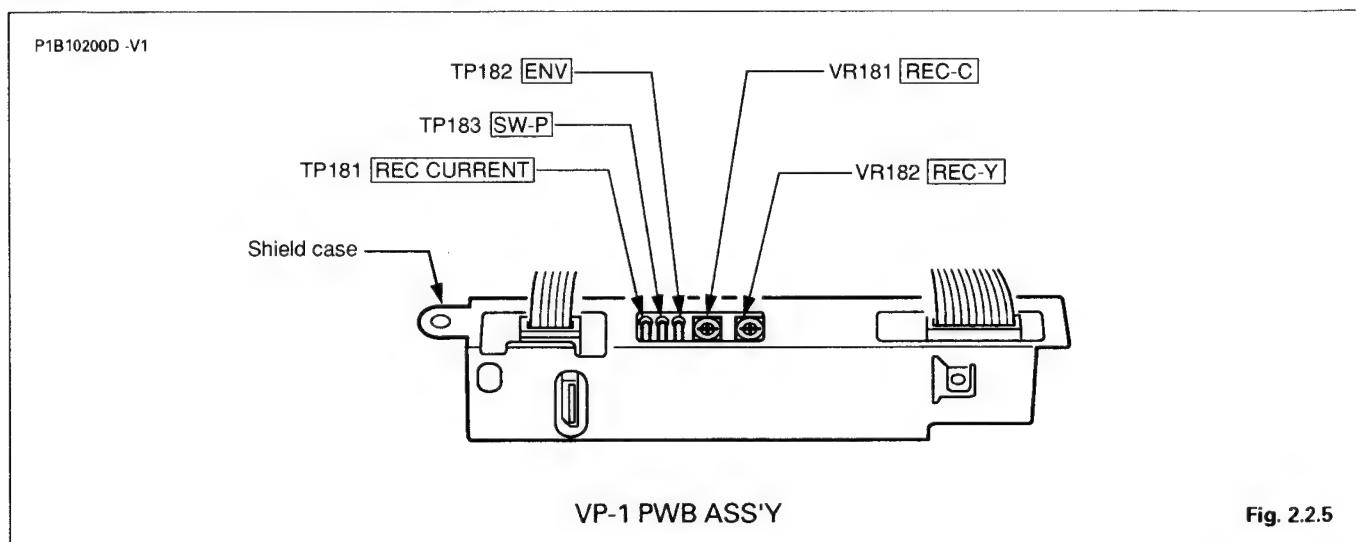
2-2-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Color Bar Signal Generator	PAL Color bar signal with 100% white level (EBU color bar signal) (Signal waveform is described below. Refer to Fig. 2.2.1)
Oscilloscope	Vertical sensitivity: 5 mV/DIV, external trigger Band width: more than 10 MHz
Digital Voltmeter	DC range
Test Tape	VHJ-0008 or VHJ-0023: SP mode, color bar, 1 kHz (Color bar signal waveform is described below. Refer to Fig. 2.2.3)
Blank Tape	VHS-type cassette tape
Oscilloscope Probe	Input capacity: less than 25 pF (10:1) less than 40 pF (1:1) Covering frequency: DC ~ 40 MHz (10:1) DC ~ 30 MHz (1:1)
Frequency Counter	8 significant digits
Adjustment Relay Jig	VHJ-0067: 12-wire flat cable for VP-1 PWB Ass'y

PAL TV TEST SIGNAL

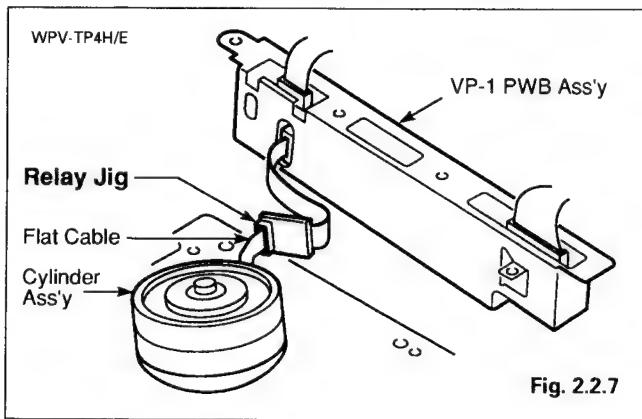


2-2-2. LOCATION OF ADJUSTMENT POINTS



2-2-3. ADJUSTMENT RELAY JIG

Connect the Flat cable end from the Cylinder Ass'y to the VP-1 PWB Ass'y using the Relay jig to provide simple repairing and adjustment of the VP-1 PWB Ass'y, as shown in Fig. 2.2.7. Further, when adjusting the VP-1 PWB Ass'y, be sure to make contact an end of Shield case with Bracket of the VP-1 PWB Ass'y to maintain the shield effect. If the VP-1 PWB Ass'y does not contact, there is insufficient ground and no proper play back image can be obtained.



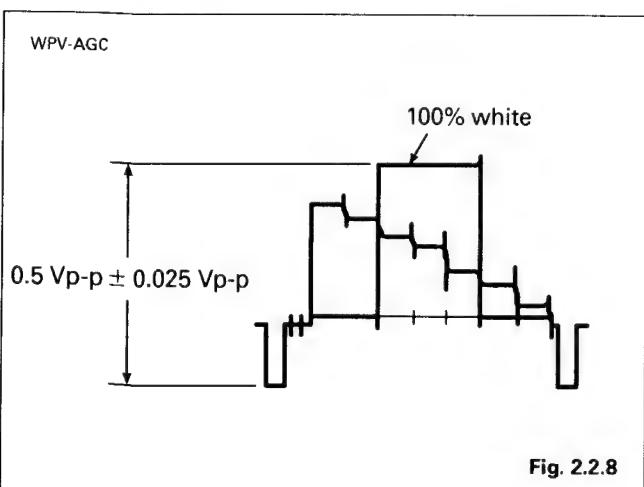
NOTES:

- Self-recording means "Record the video signal and play back the just-recorded portion".
- Connect the monitor TV to the VIDEO OUTPUT terminal (EURO-AV1 terminal pin 19), before making following adjustments.
- ASO HIGH button to the OFF position.

2-2-4. AGC LEVEL ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP102	Color bar generator Oscilloscope (10:1 probe)	E-E mode
ADJ. Location		
VR102 (AGC)		$0.5 \text{ Vp-p} \pm 0.025 \text{ Vp-p}$

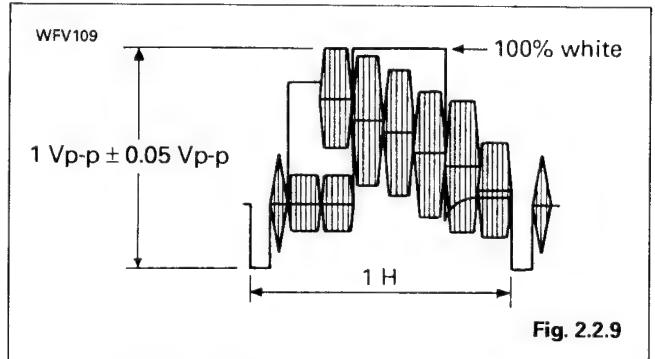
1. Connect the color bar generator to the VIDEO INPUT terminal (EURO-AV1 pin20).
2. Adjust VR102 (AGC) for $0.5 \text{ Vp-p} \pm 0.025 \text{ Vp-p}$ as shown in Fig. 2.2.8.



2-2-5. PB-Y LEVEL ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP101	Oscilloscope	PLAY(SP)mode Test tape (VHJ-0008 or VHJ-0023)
ADJ. Location	ADJ. Value	
VR101 (PB-Y)		$1 \text{ Vp-p} \pm 0.05 \text{ Vp-p}$

1. Play back a test tape in SP mode.
2. Adjust VR101 (PB-Y) for the video luminance signal level of $1 \text{ Vp-p} \pm 0.05 \text{ Vp-p}$. (Refer to Fig. 2.2.9)



2-2-6. CARRIER SET ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP103	Color bar generator Frequency counter	REC (SP) mode
ADJ. Location	ADJ. Value	
VR103 (CAR)		$3.83 \text{ MHz} \pm 0.05 \text{ MHz}$

1. Connect the color bar generator to the VIDEO INPUT terminal (EURO-AV1 pin 20).
2. After removing the first color bar signal input from the video input terminal, immediately adjust VR103 (CAR) so that the frequency becomes $3.83 \text{ MHz} \pm 0.05 \text{ MHz}$.

2-2-7. VCO (on screen assist) ADJ.

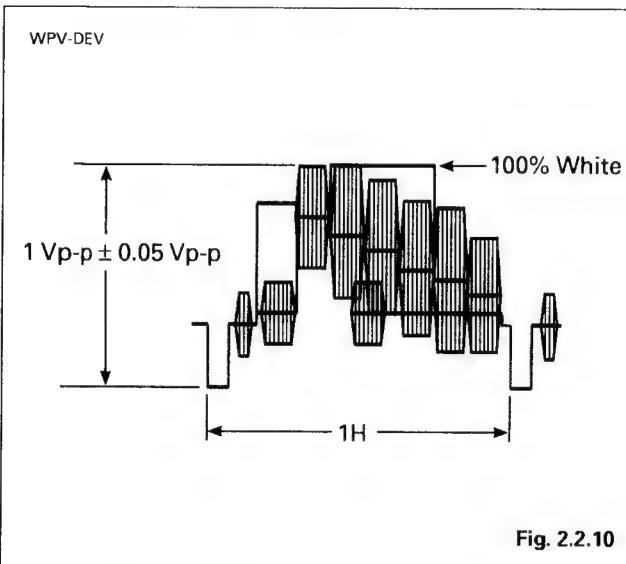
Measuring Point	Measuring Equipment	ADJ. Condition
TP120	Color bar generator Digital voltmeter	E-E mode
ADJ. Location	ADJ. Value	
CT120 (VCO)		$2.5 \text{ Vp-p} \pm 0.3 \text{ Vp-p}$

1. Connect the digital voltmeter (DC range) to TP120 and GND.
2. Adjust CT120 (VCO) so that the voltage is $2.5 \text{ V} \pm 0.3 \text{ V}$.

2-2-8. DEVIATION ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP101	Color bar generator Oscilloscope	Self-recording (SP) mode Blank tape
ADJ. Location		ADJ. Value
VR104 (DEV)		1 Vp-p \pm 0.05 Vp-p

1. Record the color bar signal on the blank tape.
2. Play back of the just-recorded portion.
3. Adjust VR104 (DEV) for $1 \text{ Vp-p} \pm 0.05 \text{ Vp-p}$ as shown in Fig. 2.2.10.
4. If the adjustment value is not satisfactory, adjust VR104 (DEV) and repeat steps 2 to 3.



2-2-9. C REC CURRENT ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP181 (on VP-1 PWB)	Color bar generator Oscilloscope (1:1 probe)	REC (SP) mode Blank tape
ADJ. Location		ADJ. Value
VR181 (REC-C)		150 mVp-p \pm 5 mVp-p

1. Connect the ground of the oscilloscope to the shield case of the VP-1 PWB Ass'y.
2. Adjust VR182 (REC-Y) so that the minimum video luminance signal level is $470 \text{ mVp-p} \pm 10 \text{ mVp-p}$. (Refer to Fig. 2.2.12)
3. Adjust VR181 (REC-C) so that the video chrominance signal level is $150 \text{ mVp-p} \pm 5 \text{ mVp-p}$. (Refer to Fig. 2.2.11)

WV-CREC

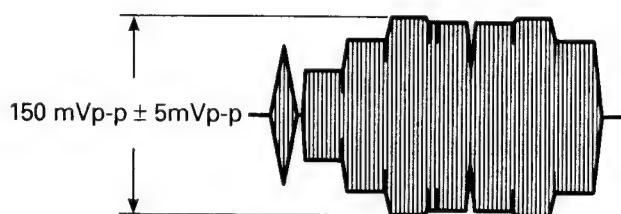


Fig. 2.2.11

2-2-10. Y REC CURRENT ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP181 (on VP-1 PWB)	Color bar generator Oscilloscope (1:1 probe)	REC(SP)mode Blank tape
ADJ. Location		ADJ. Value
VR182 (REC-Y)		470 mVp-p \pm 10 mVp-p

1. Connect the ground of the oscilloscope to the shield case of the VP-1 PWB Ass'y.
2. Adjust VR182 (REC-Y) so that the video luminance signal level at the sync tip is $470 \text{ mVp-p} \pm 10 \text{ mVp-p}$. (Refer to Fig. 2.2.12)

WV-YREC

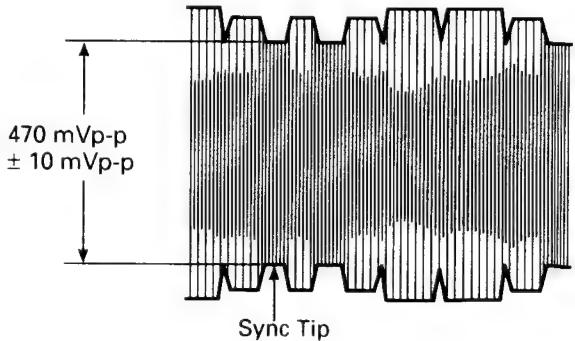


Fig. 2.2.12

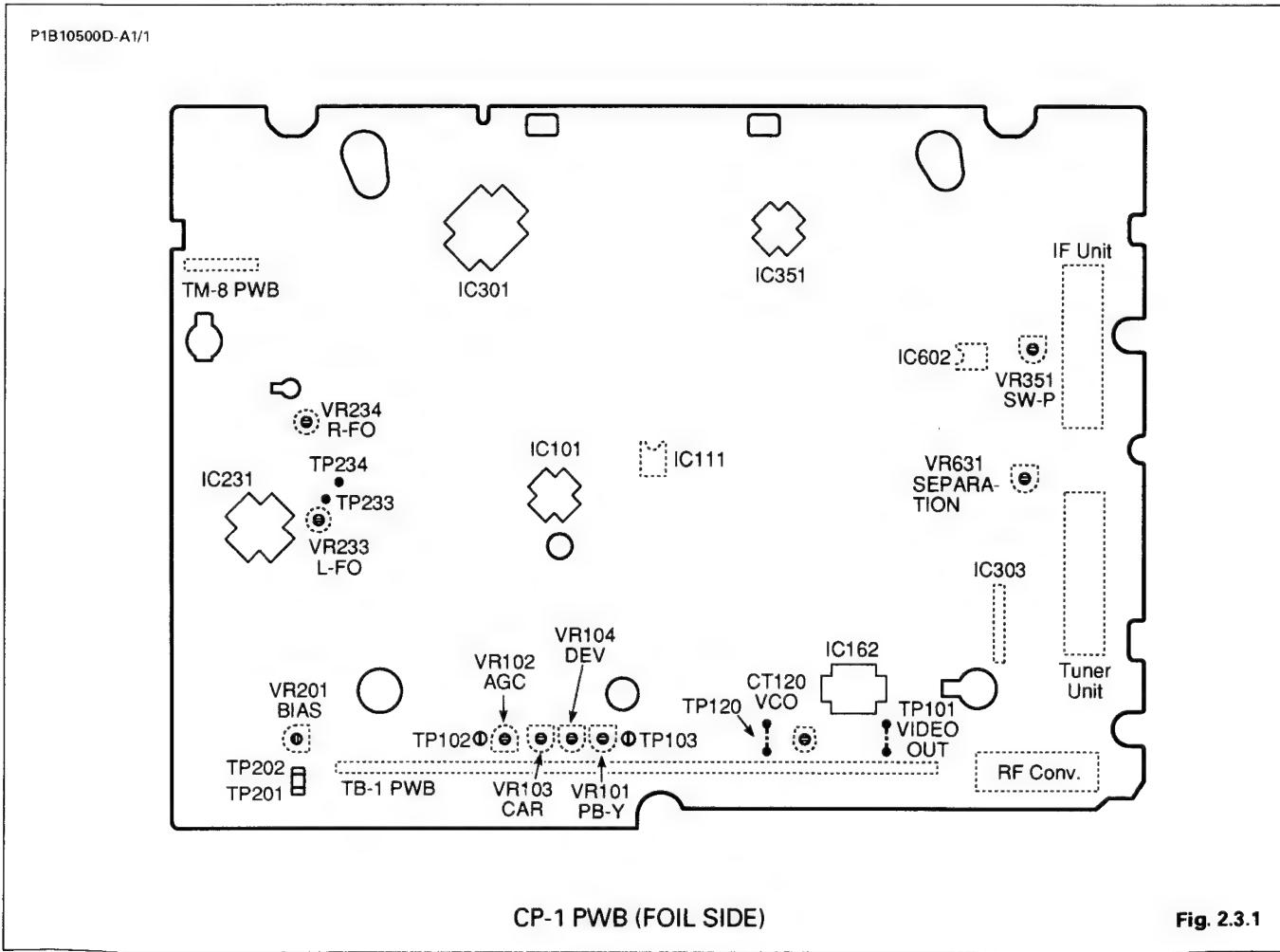
2-3. AUDIO FM (Hi-Fi)/ NORMAL CIRCUIT ADJUSTMENT

- Before making these adjustments, (especially, the tape guide height and audio control erase head height adjustments) should be carried out, so that the tape traveling between the loading guide pole and the audio control erase head runs without fluttering, twisting, curling.
- Before making these adjustments, Section 2-1. SERVO and Section 2-2. VIDEO circuit adjustments should be carried out.

2-3-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Standard Audio Signal Generator (SG)	Output frequency : 10 Hz ~ 100 kHz Output level : more than 1 Vrms Output impedance : 600 Ω Distortion ratio : less than 0.1% Output in use SG : Frequency: 400 Hz, 10 kHz (switchable) Output level: -33.8 dBs ± 0.5 dB
Color Bar Signal Generator	Color bar signal with 100% white level. (Signal waveform is described before. Refer to Fig. 2.2.1)
Oscilloscope	Vertical sensitivity : 10 mV/DIV Band width : more than 30 MHz
AC Voltmeter	Effective value indication Input frequency : 10 Hz ~ 20 kHz Input Impedance : more than 1 MΩ Measurement level : 1mV (full scale)
Frequency Counter	Input frequency : 20 Hz ~ 10 MHz
Blank Tape	VHS-type cassette tape

2-3-2. LOCATION OF ADJUSTMENT POINTS



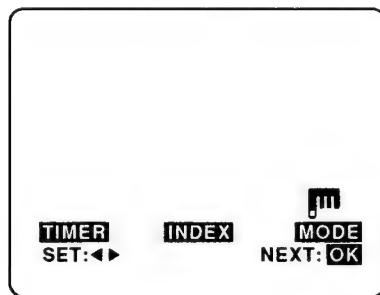
AUDIO NORMAL CIRCUIT**NOTES:**

- Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

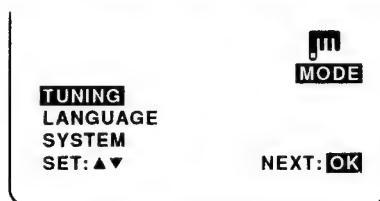
SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR 3784 HIFI UK/VP only)	AV1
AUDIO	MONO

To select AV and AUDIO mode

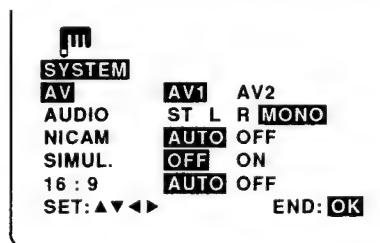
- Press the MENU/TV button on the remote control. The MAIN MENU appears.
"MODE" is selected, then press the OK button.



- MODE SETTING menu will appear.
"SYSTEM" is selected, then press the OK button.



- RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.
"AV" : "AV1" and "AUDIO" : "MONO" are selected, press the OK button.
"AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.



- Self-recording means "Record the AUDIO signal and play back the just-recorded portion."

2-3-3. BIAS LEVEL ADJ.**[A]**

Measuring Point	Measuring Equipment	ADJ. Condition
TP201 (HOT) TP202 (GND)	Oscilloscope AC voltmeter Frequency counter	REC (SP) mode Blank tape
ADJ. Location	ADJ. Value	
VR201 (BIAS)	24 mVrms	

- Load the VCR with a blank tape and select the SP record mode without all incoming signal.
- After confirming on the oscilloscope that a 70 kHz sine wave is being output, adjust VR201 (BIAS) so that the AC voltmeter's reading is **24 mVrms**.

[B]

Measuring Point	Measuring Equipment	ADJ. Condition
AUDIO OUTPUT terminal (EURO-AV pin3: Lch)	Oscilloscope AC voltmeter Standard audio signal generator (SG: signal -33.8 dBs, 400 Hz -33.8 dBs, 10 kHz)	Self-recording (SP mode Blank tape)
ADJ. Location	ADJ. Value	
VR201 (BIAS)	-4 dB ~ +4 dB between 400 kHz and 10 kHz	

- Connect the standard audio signal generator to the AUDIO INPUT terminal (EURO-AV1 pin6: Lch).
- Set the standard audio signal generator's output level to -33.8 dBs.
- Set the standard audio signal generator's frequency to 400 Hz and then 10 kHz. Record each of these frequency signals.
- Play back each of the just-recorded portion.
- Confirm that the 10 kHz level on AC voltmeter's reading is **from -4 dB to +4 dB**, compared with 400 Hz level.
- If the 10 kHz level is less than -4 dB below 400 Hz level or more than +4 dB above 400 Hz level, Rotate VR201 (BIAS) slightly to adjust it.
- Repeat steps 3 through 6 if necessary.

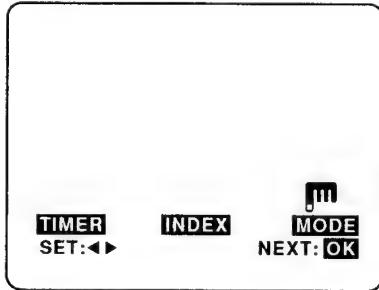
AUDIO FM (Hi-Fi) CIRCUIT**NOTES:**

- Before making these adjustments, check that the surface of the parts touching the tape such as the A-FM head or guides are clean.
- Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

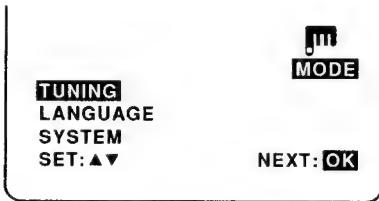
SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR3784 HIFI UK/VP only)	AV1
AUDIO	ST

To select AV and AUDIO mode

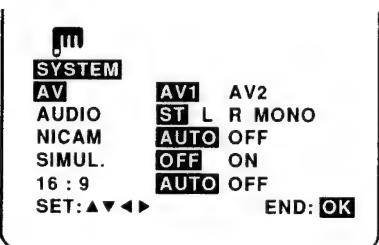
- Press the MENU/TV button on the remote control, The MAIN MENU appears.
"MODE" is selected, then press the OK button.



- MODE SETTING menu will appear.
"SYSTEM" is selected, then press the OK button.



- RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.
"AV" : "AV1", "AUDIO" : "ST" are selected, press the OK button. "AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.

**2-3-6. A-FM CARRIER FREQUENCY ADJ.**

Measuring Point	Measuring Equipment	ADJ. Condition
TP233 (1.4 MHz) TP234 (1.8 MHz)	Frequency counter	REC (SP) mode Blank tape
ADJ. Location	ADJ. Value	
VR233 (L-FO)	1.4 MHz +4/-6 kHz	
VR234 (R-FO)	1.8 MHz +4/-6 kHz	

- Connect a frequency counter to TP233 (Lch), TP234 (Rch) and ground.
- Adjust VR233 (L-FO) so that in the zero level signal status the frequency at TP233 becomes **1.4 MHz +4/-6 kHz**.
- Adjust VR234 (R-FO) so that in the zero level signal status the frequency at TP234 becomes **1.8 MHz +4/-6 kHz**.

2-4. TUNER AND IF CIRCUITS ADJUSTMENT

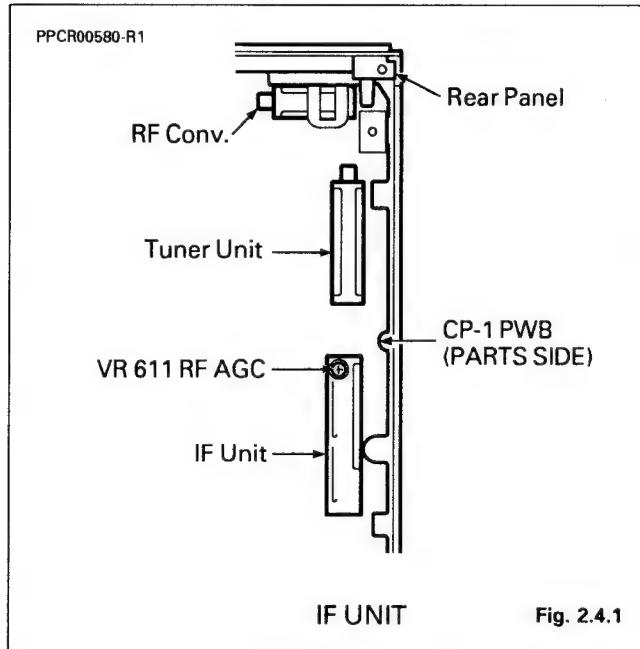
- When any malfunction occurs in the TUNER circuit the whole unit must be replaced.
- An adjustment of the IF circuit is shown as follows.

NOTE: The TUNER unit does not need any adjustments, because precise adjustments have been done before shipment.

2-4-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Monitor TV	
------------	--

2-4-2. LOCATION OF ADJUSTMENT POINT



2-4-3. RF AGC ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
Picture of monitor TV	Monitor TV	E-E mode
ADJ. Location		ADJ. Value
VR611 (RF AGC) (on the IF circuit)		S/N is best point

1. Connect the monitor TV to ANTENNA OUTPUT terminal.
2. Connect the VHF or UHF antenna to ANTENNA INPUT terminal.
3. Receive the middle electrical field (70 dB μ ~ 90 dB μ) of the VHF high or UHF channel, and slowly turn VR611(RF AGC) from the point where snow-noise is present to the point where it just disappears from the monitor TV.
4. Confirm by monitor TV that there is no beat and saturation (S/N is best point) when receiving any TV channel.

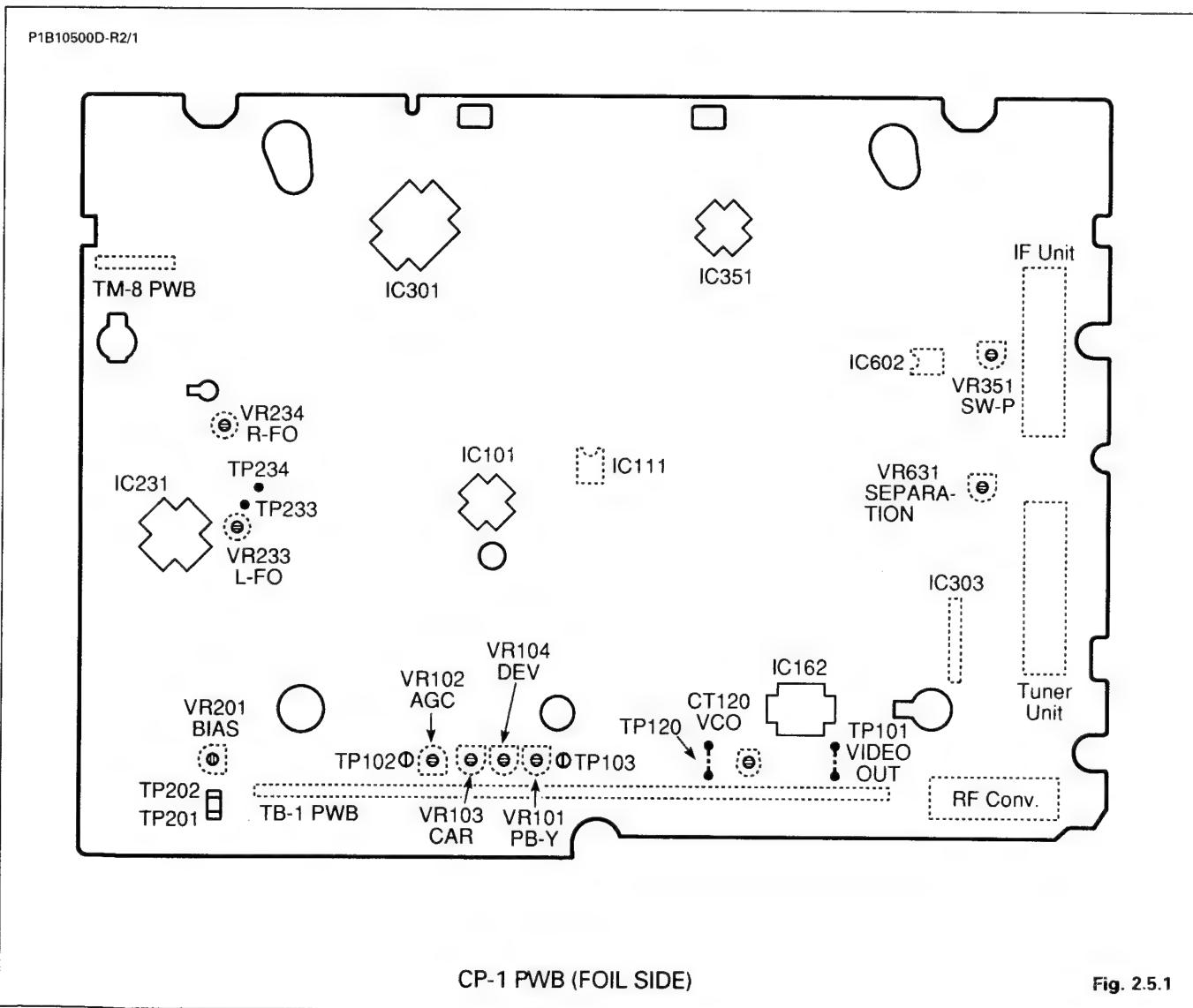
2-5. MTS DECODER CIRCUIT ADJUSTMENT

- If adjusting the MTS Decoder circuit, special equipment shown in section 2-5-1. is necessary.
- Improper adjustment will cause loss of performance of Stereo Sound and Bilingual Sound detection.
- Prior to making these adjustments, the other adjustments except the MTS Decoder should be completed.

2-5-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Audio Multiplex TV signal Generator	
Oscilloscope	
AC Voltmeter	
Band Path Filter	200 Hz ~ 15 kHz

2-5-2. LOCATION OF ADJUSTMENT POINTS



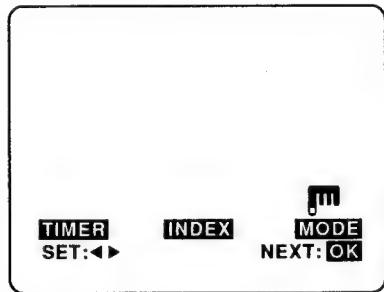
AUDIO FM (Hi-Fi) CIRCUIT**NOTE:**

- Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

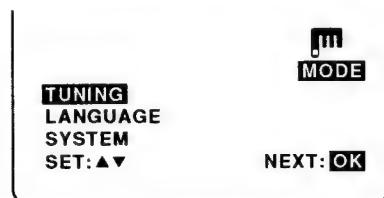
SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR 3784 HIFI UK/VP only)	AV1
AUDIO	ST

To select AV and AUDIO mode

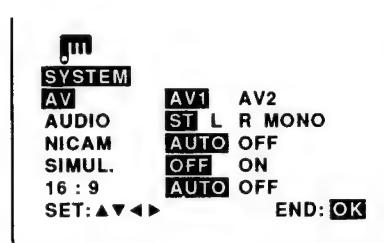
- Press the MENU/TV button on the remote control, The MAIN MENU appears.
"MODE" is selected, then press the OK button.



- MODE SETTING menu will appear.
"SYSTEM" is selected, then press the OK button.



- RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.
"AV" : "AV1", "AUDIO" : "ST" are selected, press the OK button. "AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.

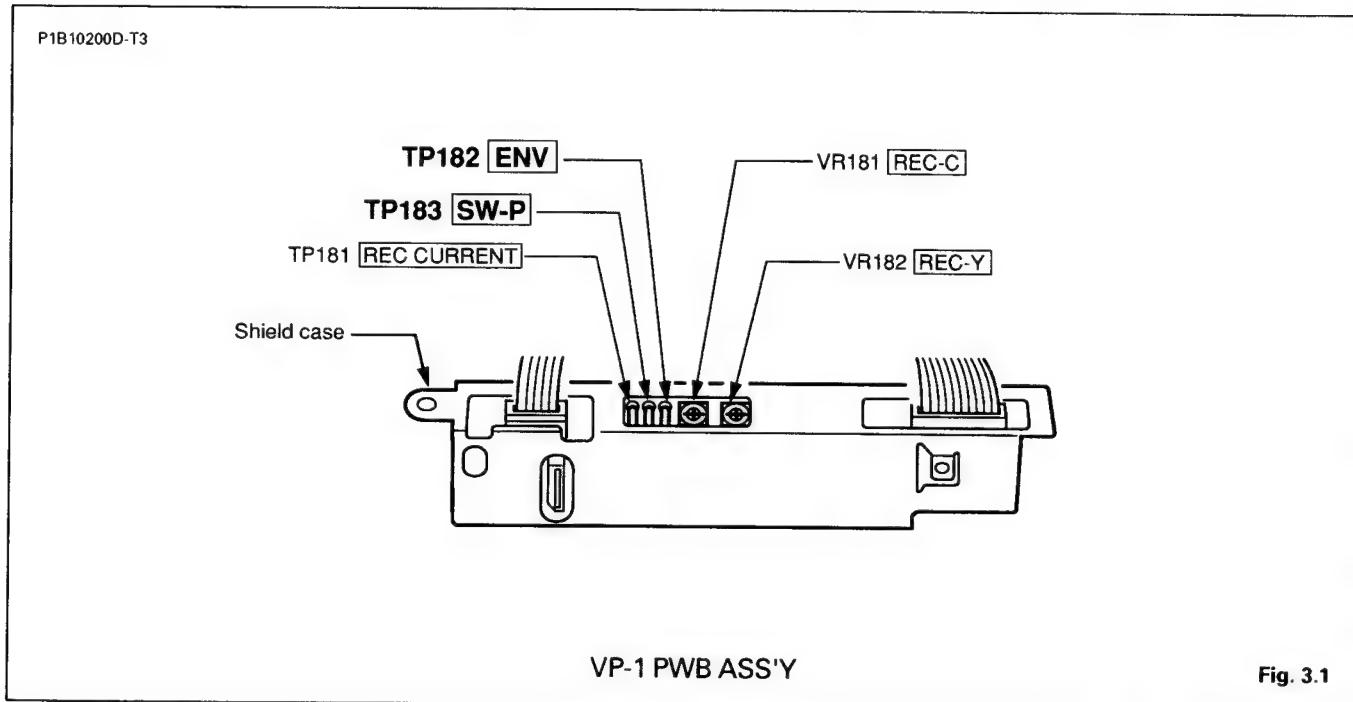
**2-5-3. SEPARATION ADJ.**

Measuring Point	Measuring Equipment	ADJ. Condition
AUDIO OUTPUT Terminal EURO AV1 pin3 (Lch)	Audio Multiplex TV signal generator Oscilloscope Band path filter (200 Hz ~ 15 kHz)	E-E mode
ADJ. Location	ADJ. Value	
VR631 (SEPARATION)		Minimum level

- Input the output signal of the Audio Multiplex TV signal generator into the VCR ANT input terminal.
- Connect the oscilloscope to the AUDIO OUTPUT terminal EURO AV1 pin3 (Lch) of the VCR via the BPF.
- Set the Audio Multiplex TV signal generator as follows.
Audio signal Rch: 1kHz 100% modulation.
Audio signal Lch: Unmodulation.
- Adjust VR631 (SEPARATION) so that the output of the AUDIO OUTPUT terminal (Lch) is brought to its minimum level.

3. TEST POINT FOR TAPE PATH ADJUSTMENT

Test point TP182 (ENV) and TP183 (SW-P) for tape path adjustment is shown in Figure below.
For adjustment, refer to the separate volume "Mechanical adjustments 6611 77 06 and 6611 74 46".



4. PARTS LIST

ACCESSORIES

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
	5652 2299	REMOCON,RC384(WITH COVER BATTERY) (EXCEPT VCR 3784 UK/VP)	CH-6	6135 5178	COMPL,COVER TOP(VCR 3784UK/VP ONLY)
OR	5652 2310	REMOCON,RC584(WITH COVER BATTERY) (VCR 3784 UK/VP ONLY)	OR	6135 5175	COVER TOP(EXCEPT VCR 3784UK/VP)
	6134 5345	COVER BATTERY (FOR REMOCON)	CH-7	5826 0553	MODULATOR,RF(VCR 3784UK/VP ONLY)
	6612 5932	INSTRUCTION MANUAL (VCR 3784UK/VP ONLY)	OR	5826 0552	MODULATOR,RF(VCR 3784UK/VP ONLY)
OR	6612 5931	INSTRUCTION MANUAL (VCR 3784N/SV ONLY)	OR	5826 0551	MODULATOR,RF(EXCEPT VCR 3784UK/VP)
OR	6612 5930	INSTRUCTION MANUAL (VCR 3784VPS/SV ONLY)	OR	5826 0554	MODULATOR,RF(EXCEPT VCR 3784UK/VP)
	4131 4286	CABLE,ANT(EXCEPT VCR 3784VPS/SV)	CH-8	8681 5266	TERMINAL(VCR 3784UK/VP ONLY)
OR	4131 4221	CABLE,ANT(VCR 3784N/SV ONLY)	OR	8681 5268	TERMINAL(EXCEPT VCR 3784UK/VP)
OR	4131 4198	CABLE,ANT(VCR 3784VPS/SV ONLY)	CH-9		SCR S-TPG BIN 3X10
OR		CABLE,ANT(VCR 3784VPS/SV ONLY)	CH-10	8681 5267	TERMINAL RCA
OR		CORD(EXCEPT VCR 3784VPS/SV)	CH-11	6913 6677	COMPL PWB,CP-1-A (VCR 3784UK/VP ONLY)
OR	4131 4203	CORD(VCR 3784N/SV ONLY)	OR	6913 6643	COMPL PWB,CP-1-A(VCR 3784N/SV ONLY)
	△ 4131 4287	CORD,POWER(VCR 3784UK/VP ONLY)	OR	6913 6646	COMPL PWB,CP-1-A (VCR 3784VPS/SV ONLY)
OR	△	CORD,POWER(VCR 3784UK/VP ONLY)	CH-12	5823 0509	TUNER,UV(VCR 3784UK/VP ONLY)
OR	△ 4131 8829	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	5823 0777	TUNER PACK(VCR 3784N/SV ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	5823 0505	TUNER PACK(VCR 3784VPS/SV ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	CH-13	5825 8833	TUNER,IF(VCR 3784N/SV ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	5823 0510	TUNER,IF(VCR 3784UK/VP ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	5823 0602	TUNER,IF(VCR 3784VPS/SV ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	CH-14	6913 6676	COMPL PWB,TN-5(VCR 3784UK/VP ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	6913 6642	COMPL PWB,TN-5(VCR 3784N/SV ONLY)

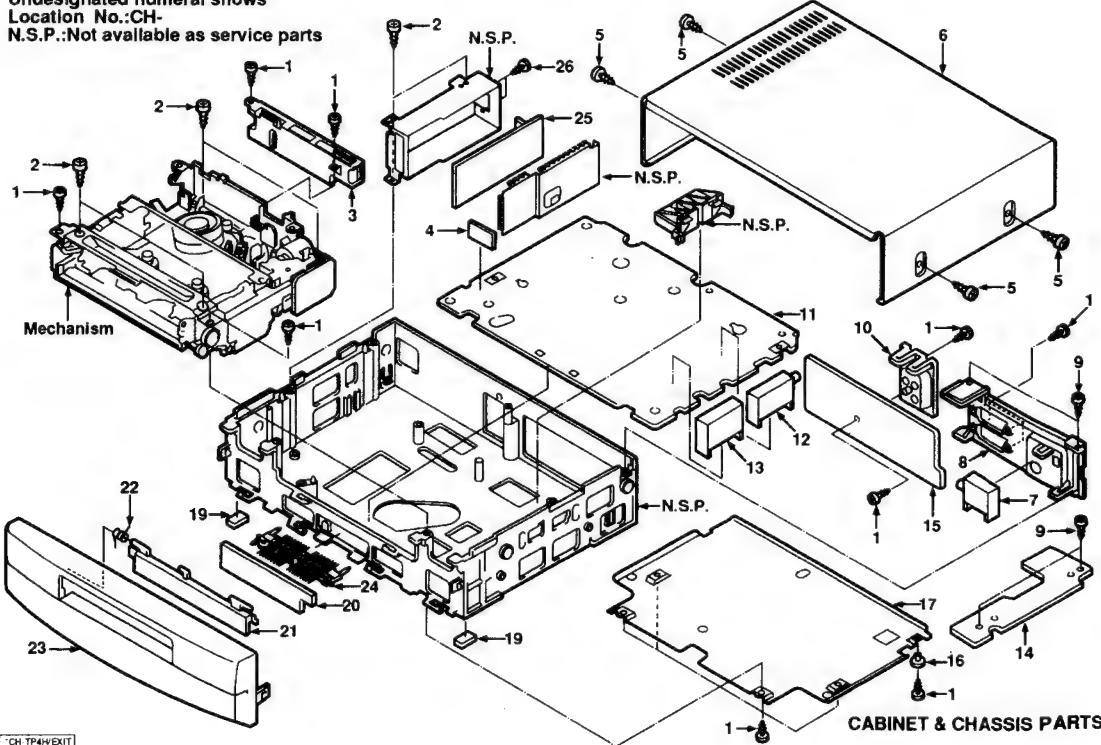
PACKING MATERIALS

LOCATION	PARTS NO.	DESCRIPTION
	6162 8880	CARTON CASE(VCR 3784UK/VP ONLY)
OR	6162 8865	CARTON CASE(VCR 3784N/SV ONLY)
OR	6162 8866	CARTON CASE(VCR 3784VPS/SV ONLY)
	6172 3094	CUSHION,FRONT(VCR 3784UK/VP ONLY)
OR	6172 3091	CUSHION,FRONT(EXCEPT VCR 3784UK/VP)
	6172 3095	CUSHION,BACK(VCR 3784UK/VP ONLY)
OR	6172 3092	CUSHION,BACK(EXCEPT VCR 3784UK/VP)
		POLYE COVER,INNER-K

CABINET & CHASSIS PARTS

LOCATION	PARTS NO.	DESCRIPTION
CH-1		SCR L-TPG BIN 3X10
CH-2		SCR S-TPG BIN 4X12
CH-3	6913 6639	COMPL PWB,VP-1
CH-4	6913 0957	COMPL PCB,TM-8(VCR 3784VPS/SV ONLY)
CH-5		SPECIAL SCREW
		CH-24
		CH-25
		OR
		OR
		CH-26

Undesignated numeral shows
Location No.:CH-
N.S.P.:Not available as service parts

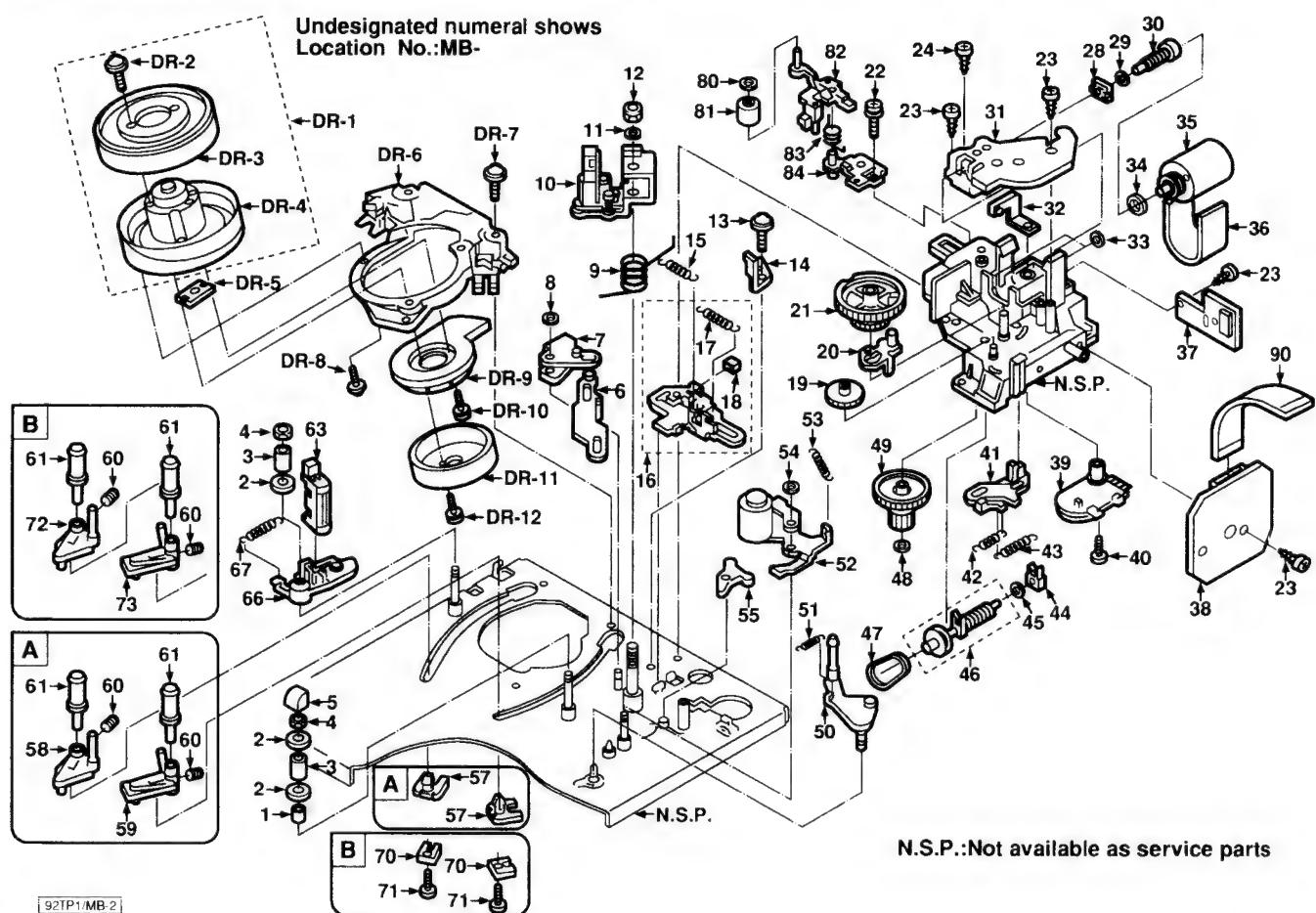


MECHANISM PARTS

LOCATION	PARTS NO.	DESCRIPTION
MECHANISM PARTS 1		
DR-1	4335 9371	COMPL,CYLINDER,4H6P-R
DR-2		SCR PAN+W 3X8
DR-3	4335 9372	ASSY,CYLINDER,UPR 4H6P-R
DR-4	4335 9370	ASSY,CYLINDER,LWR 6K
DR-5	8318 5783	SPACER,MOTOR 0.3T
DR-6	8681 4885	BASE,CYLINDER
DR-7		SCR PAN+FLG 3X6
DR-8		SCR PAN+FLG 2.6X8
DR-9	4335 9337	STATOR,MOTOR CYL
OR		STATOR,MOTOR CYL
DR-10		SCR PAN+SW 2.3X10
OR		SCR PAN+SW 2.3X8
DR-11	4335 9317	ROTOR,MOTOR CYL
DR-12		SCR PAN+SW 2.3X6
MB-1	8318 5862	SLEEVE
MB-2	7726 0622	SPECIAL WASHER
MB-3	8318 5863	TAPE GUIDE
MB-4		NUT HEX (3)
MB-5	8681 4881	CAP
MB-6	8681 4112	ASSY,SLIDE,ACT PINCH
MB-7	8681 4113	ASSY,LEVER,CAM PINCH
MB-8	6158 2016	WASHER Y 3.1X8X0.5
MB-9	7358 4350	SPRING,ACE HEAD
MB-10	8318 5407	COMPL,BRACKET,HEAD
MB-11	7726 0653	SLEEVE,ACE HEAD
MB-12	7711 0176	SPECIAL NUT (M5)
MB-13		SCR PAN+SW+W 2.6X5
MB-14	8681 4817	BRACKET,STOPPER
MB-15	7358 4352	SPRING,SLIDE BRAKE
MB-16	8681 4927	COMPL,SLIDE,CAM
MB-17	7358 4351	SPRING,LINK LOCK
MB-18	7522 0219	DAMPER
MB-19	7525 1193	GEAR,FRONT LOAD
MB-20	8681 4384	ASSY,LEVER,FRONT
MB-21	7525 1347	GEAR,HELICAL FRONT
MB-22		SCR PAN+SW+W 2.6X6
MB-23		SCR S-TPG PAN 2.6X6
MB-24		SCR S-TPG BIN 2.6X8
OR		SCR S-TPG PAN 2.6X8
MB-28	8681 4127	HOLDER,WORM
MB-29		WASHER
MB-30	7525 1195	ASSY,WORM,FRONT
MB-31	8318 5722	BRACKET,HOLDER
MB-32	8318 5532	PLATE,NUT
MB-33	8868 0723	DAMPER,MOTOR
MB-34	8681 4123	DAMPER,WORM
MB-35	4432 8818	ASSY,LOADING MOTOR
MB-36	8868 0724	DAMPER,MOTOR
MB-37	6913 1082	COMPL PCB,MC-3
MB-38	6913 6686	COMPL PWB,MC-2
MB-39	4112 9866	ROTARY SWITCH
MB-40		SCR PAN 2.6X13
MB-41	8681 4385	ASSY,SLIDE,FRONT
MB-42	7358 4457	SPRING,LEVER LOAD
MB-43	7358 4458	SPRING,LEVER ACT
MB-44	8681 4386	HOLDER,WORM
OR	8681 4977	HOLDER,WORM
MB-45		WASHER 2.1X6X0.5
MB-46	7525 1264	ASSY,WORM,LOAD
MB-47	7618 4267	BELT,LOADING
MB-48		WASHER SLIT 2.6X5X0.50

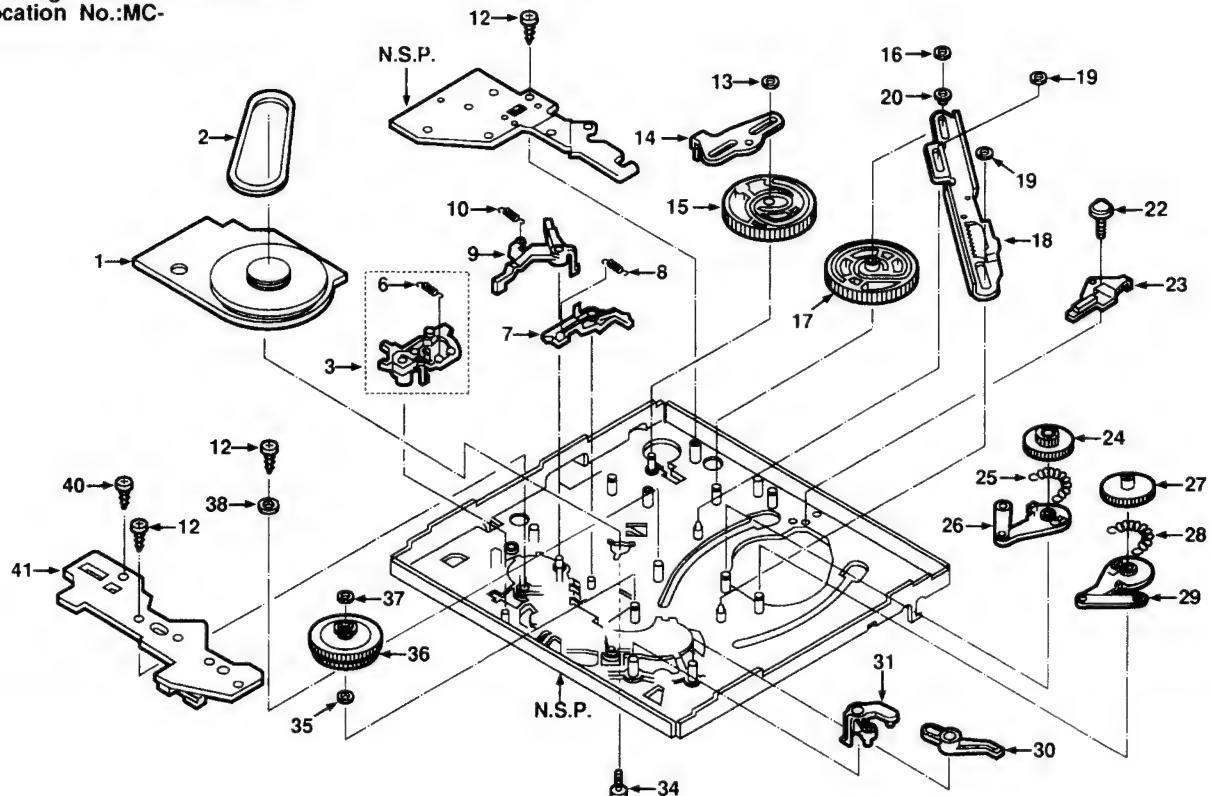
LOCATION	PARTS NO.	DESCRIPTION
MB-49	7525 1191	GEAR,HELICAL
MB-50	8681 4628	ASSY,LEVER,REV GUIDE
MB-51	7358 4356	SPRING,REVIEW LEVER
MB-52	7538 3373	COMPL,PINCH ROLLER
MB-53	7358 4830	SPRING,PINCH ROLLER
MB-54	6158 2015	WASHER Y 3.6X6X0.5
MB-55	8681 4128	COMPL,LEVER,ACT BRAKE
Note:		
As shown in the figure, the parts supporting the "ASSY, GUIDE, ROLLER" of Location No. MB-61 comes in two types group A and group B. (Location MB-60 and 61 are the same.) No one part of group A can be replaced by that of group B by itself, but group A and group B can be replaced as a whole as they are interchangeable.		
NOTE-M1		
MB-57	8318 6040	PLATE,BGR
MB-58	8681 5264	ASSY,MOUNTING,ROLLER S
MB-59	8681 5265	ASSY,MOUNTING,ROLLER T
MB-60	6158 2020	SCR SET HEX-SCT 2X3
MB-61	8681 4132	ASSY,GUIDE,ROLLER
MB-63	4335 9466	HEAD,ERASE FULL
MB-66	8318 6041	LEVER,FE HEAD
MB-67	7358 4357	SPRING,ERASE HEAD
MB-70	8318 5338	PLATE,GUIDE
MB-71	6158 2022	SCR BIN 2.6X5
MB-72	8681 4130	ASSY,BASE,ROLLER S
MB-73	8681 4131	ASSY,BASE,ROLLER T
MB-80	6158 2018	WASHER Y 2.6X6X0.5
MB-81	7358 3425	ASSY,ROLLER,CLEANER
MB-82	8318 6013	ASSY,LEVER,CLEANER
MB-83	7358 4714	SPRING
MB-84	8681 5245	BRACKET,CLEANER
MB-90	4131 4290	FLEXIBLE FLAT CABLE
MECHANISM PARTS 2		
MC-1	4432 9389	MOTOR,CAPSTAN DC 3W
MC-2	7618 4268	BELT,REEL DRIVE
MC-3	8681 4971	COMPL,LEVER,CLUTCH
MC-6	7358 4359	SPRING,LEVER CLUTCH
MC-7	8681 4136	LEVER,CHANGE CLUTCH
MC-8	7358 4360	SPRING,CHANGE CLUTCH
MC-9	8681 4167	ASSY,BRAKE,CAPSTAN
MC-10	7358 4453	SPRING,CAPSTAN
MC-12		SCR S-TPG BIN 2.6X8
MC-13	6158 2016	WASHER Y 3.1X8X0.5
MC-14	8681 5263	SLIDE,CAM PLATE
MC-15	7525 1196	CAM,MODE
MC-16	6158 2017	WASHER Y 3.1X6X0.5
MC-17	7525 1350	CAM,MAIN
MC-18	8681 4976	ASSY,RACK,LOAD
MC-19	6158 2018	WASHER Y 2.6X6X0.5
MC-20	7726 0654	SPACER,RACK LOAD
MC-22		SCR PAN+FLG 3X4
MC-23	7358 4365	ASSY,EARTH,CYL
MC-24	7525 1351	GEAR,LOAD TAKE UP
MC-25	7358 4361	SPRING,GEAR LOAD T
MC-26	8681 4141	ASSY,LEVER,LOAD T
MC-27	7525 1199	GEAR,LOAD S
MC-28	7358 4362	SPRING,GEAR LOAD S
MC-29	8681 4142	ASSY,LEVER,LOAD S
MC-30	8681 4143	LEVER,RETURN TENSION
MC-31	8681 4387	ASSY,LEVER CONTROL
MC-34		SCR S-TPG PAN 2.6X6
MC-35	7726 0621	SPECIAL WASHER 3.1X6X0.25
MC-36	7525 1396	ASSY,GEAR,FRICITION
MC-37		SPECIAL WASHER 2.4X6X0.25
MC-38		WASHER Z 2.6X10X0.5
MC-40		SCR S-TPG BIN 2.6X5
MC-41	6913 1133	COMPL,MC-1

EXPLODED VIEW OF MECHANISM PARTS 1



EXPLODED VIEW OF MECHANISM PARTS 2

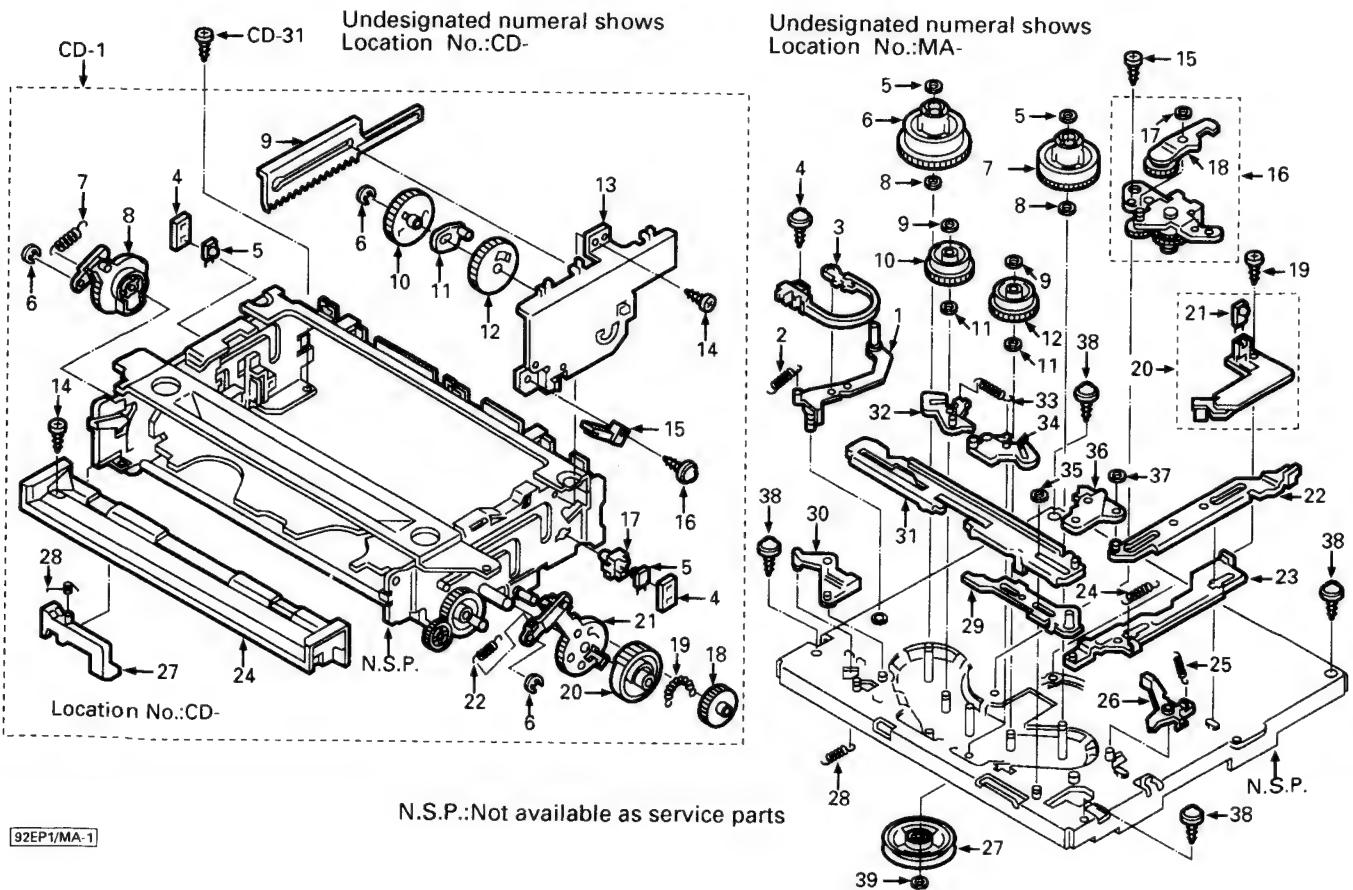
Undesignated numeral shows Location No.:MC-



N.S.P.:Not available as service parts

LOCATION	PARTS NO.	DESCRIPTION
MECHANISM PARTS 3		
CD-1	8318 6017	COMPL,CASSETTE MECHA
CD-4	8681 4250	LID
CD-5	3656 3089	PHOTO COUPLE PN150SAN
CD-6		RING E 2.3
CD-7	7358 4341	SPRING,LINK L
CD-8	7525 1181	ASSY,GEAR,LEVER L
CD-9	8318 5316	RACK
CD-10	7525 1399	GEAR,LOCK
CD-11	8318 5317	ASSY,LEVER,PINION
CD-12	7525 1183	GEAR,PINION
CD-13	8681 4097	ASSY,BRACKET,GEAR
CD-14		SCR S-TPG BIN 2.6X4
CD-15	4112 7484	SW,SPECIAL
CD-16		SCR PAN+SW+W 2X9
CD-17	8681 4816	HOLDER,TRANSISTOR
CD-18	7525 1184	GEAR,IDLER
CD-19	7358 4363	SPRING,GEAR MAIN
CD-20	7525 1185	GEAR,MAIN
CD-21	7525 1186	ASSY,GEAR,LEVER R
CD-22	7358 4342	SPRING,LINK R
CD-24		BOARD,UNDER
CD-27	8318 5860	LEVER,SAFETY SW
CD-28	7358 4713	SPRING,SAFETY SW
CD-31		SCR BIN 3X6
MA-1	8681 4388	ASSY,LEVER,TENSION
MA-2	7358 4390	SPRING,LEVER TENSION
MA-3	8681 4120	ASSY,HOLDER,BAND
MA-4		SCR PAN+SW+W 2.6X6
MA-5		WASHER Y 2.6X6X0.25
MA-6	6253 4244	ASSY,REEL,SUPPLY
OR	6253 4246	ASSY,REEL,SUPPLY
MA-7	6253 4245	ASSY,REEL,TAKE UP
OR	6253 4255	ASSY,REEL,TAKE UP

LOCATION	PARTS NO.	DESCRIPTION
MA-8	7726 0615	SPECIAL WASHER 3.1X6X0.3
OR	7726 0594	SPECIAL WASHER 3.1X6X0.4
OR	7726 0585	SPECIAL WASHER 3.1X6X0.5
MA-9	6158 2019	WASHER Y 2.1X5X0.25
OR		WASHER Y 2.1X6X0.25
MA-10	7525 1348	GEAR,REEL SUPPLY
OR	7525 1398	GEAR,REEL SUPPLY
MA-11	7726 0618	SPECIAL WASHER 2.6X6X0.25
MA-12	7525 1349	GEAR,REEL TAKE UP
OR	7525 1397	GEAR,REEL TAKE UP
MA-15		SPECIAL SCREW 2.6X4
MA-16	7548 4261	COMPL,IDLER,CLUTCH
MA-17		WASHER Y 2.1X4X0.25
MA-18	7548 4260	ASSY,IDLER
MA-19		SCR S-TPG BIN 2.6X8
MA-20	6913 1130	COMPL PCB,MC-4
MA-21	3681 1690	LED LN59
MA-22	8681 4121	ASSY,SLIDE,ACT PLATE
MA-23	8681 5262	SLIDE,C BRAKE
MA-24	7358 4345	SPRING,RETURN SLIDE
MA-25	7358 4346	SPRING,SUB T
MA-26	8681 4382	ASSY,BRAKE SUB T
MA-27	7548 4226	PULLEY,REEL
MA-28	7358 4347	SPRING,SUB SUPPLY
MA-29	8681 4105	SLIDE,ACT BRAKE
MA-30	8681 4163	BRAKE,SUB SUPPLY
MA-31	8681 4107	ASSY,SLIDE,M PLATE
MA-32	8681 4108	ASSY,BRAKE,SUPPLY
MA-33	7358 4488	SPRING,MAIN BRAKE
MA-34	8681 4109	ASSY,BRAKE,TAKE UP
MA-35		WASHER Y 2.6X5X0.5
MA-36	8681 4110	LEVER,CONT PLATE
MA-37	7726 0611	SPECIAL WASHER
MA-38		SCR S-TPG BIN 4X12
MA-39		SPECIAL WASHER 2.4X6X0.25



ELECTRICAL PARTS

NOTE-2

NOTE;

1. Materials of Capacitors and Resistors are abbreviated as follows;

Resistors

MT-FILM Metallized Film Resistor
 MT-GLAZE Metallized Glaze Resistor
 OXIDE-MT Oxide Metallized film Resistor

TA-SOLID	Tantalum Solid Capacitor
AL-SOLID	Aluminium Solid Capacitor
NP-ELECT	Non-Polarized Electrolytic Capacitor
OS-SOLID	Aluminium Solid Capacitors with Organic
Semicongductive Electrolytic Capacitor	
DL-ELECT	Double Layered Electrolytic Capacitor

Capacitors

MT-POLYEST Metallized Polyester capacitor
 MT-COMPO Metallized Composite capacitor

2. Tolerance of Capacitor (10pF over) and Resistor are noted with follow symbols.

F ± 1%	G ± 2%	J ± 5%	K ± 10%
M ± 20%	N ± 30%	Z ± 80% ~ -20%	

3. Capacitors

U: μ H P: pF

4. Inductors

UH: μ H MH: mH

5. N.S.P.; Not available as servise parts.

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
COMPL PWB,CP-1-A					
COMPL.NO.6913 6677 (VCR 3784UK/VP ONLY)			Q1152		TR 2SB1320A-Q-(TA)
COMPL.NO.6913 6643 (VCR 3784N/SV ONLY)			OR		TR 2SB1320A-R-(TA)
COMPL.NO.6913 6646 (VCR 3784VPS/SV ONLY)			Q1301	3614 4402	TR DTA144EL-TL2
			OR		TR UN6113-(TA)
			Q1312	3614 4379	TR 2SC4038-Q-TL2
			OR	3614 4378	TR 2SC4038-R-TL2
			OR		TR 2SD1991A-Q-(TA)
			OR		TR 2SD1991A-R-(TA)
			Q1313	3614 5227	TR DTC144ES-DCTP
			OR	3614 5279	TR 2SC3399-AC
			Q1601	3614 4614	TR 2SA1561-TL2-Q
			OR	3614 4492	TR 2SA1561-TL2-R
			OR		TR 2SB1320A-Q-(TA)
			OR		TR 2SB1320A-R-(TA)
			Q1621	3614 4379	TR 2SC4038-Q-TL2
			OR	3614 4378	TR 2SC4038-R-TL2
			OR		TR 2SD1991A-Q-(TA)
			OR		TR 2SD1991A-R-(TA)
			Q1622	3614 4379	TR 2SC4038-Q-TL2
			OR	3614 4378	TR 2SC4038-R-TL2
			OR		TR 2SD1991A-Q-(TA)
			OR		TR 2SD1991A-R-(TA)
			Q1623	3614 4614	TR 2SA1561-TL2-Q
			OR	3614 4492	TR 2SA1561-TL2-R
			OR		TR 2SB1320A-Q-(TA)
			OR		TR 2SB1320A-R-(TA)
			Q2001	3614 7731	TR 2SC3331-T-AA
			OR	3614 4650	TR 2SC3331-U-AA
			Q2002	3614 7730	TR DTA124ES-DCTP
			OR	3614 4307	TR 2SA1346-AC
			Q2003	3614 4377	TR DTC144EL-TL2
			OR	3614 5227	TR DTC144ES-DCTP
			OR	3614 5279	TR 2SC3399-AC
			Q2004	3614 4377	TR DTC144EL-TL2
			OR	3614 5227	TR DTC144ES-DCTP
			OR	3614 5279	TR 2SC3399-AC
			Q2008	3614 4377	TR DTC144EL-TL2
			OR	3614 5227	TR DTC144ES-DCTP
			OR	3614 5279	TR 2SC3399-AC
			Q2009	3614 4377	TR DTC144EL-TL2
			OR	3614 5227	TR DTC144ES-DCTP
			OR	3614 5279	TR 2SC3399-AC
			Q2306	3614 5513	TR 2SC2274-E-AA
			OR	3614 5513	TR 2SC2274-F-AA
			Q2308	3614 4377	TR DTC144EL-TL2
			OR	3614 5227	TR DTC144ES-DCTP
			OR	3614 5279	TR 2SC3399-AC
			Q2314	3614 4402	TR DTA144EL-TL2
			OR	3614 4494	TR DTA144ES-DCTP
			OR	3614 5280	TR 2SA1345-AC
			Q2315	3614 4377	TR DTC144EL-TL2
			OR	3614 5227	TR DTC144ES-DCTP

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
Q2315	3614 5279	TR 2SC3399-AC	Q6901	3614 4947	TR 2SC536-E-SPA-AC
Q2401	3614 5203	TR DTA114ES-DCTP	OR	3614 3969	TR 2SC536-F-SPA-AC
OR	3614 5506	TR 2SA1348-AC	Q6902	3614 4690	TR KSA1175-Y
Q2402	3614 5231	TR DTC114ES-DCTP	OR	3614 4942	TR 2SA608-E-SPA-AC
OR	3614 5218	TR 2SC3402-AC	OR	3614 5281	TR 2SA608-F-SPA-AC
Q2403	3614 4694	TR 2SC4483-S-AN	OR	3614 4542	TR 2SA933S-TP-Q
OR	3614 8824	TR 2SD1994-R (TA)	OR	3614 5540	TR 2SA933S-T93-R
OR	3614 7686	TR 2SD1994-S (TA)	Q6903	3614 4691	TR KSC2785-Y
Q2404	3614 5513	TR 2SC2274-E-AA	OR	3614 3781	TR 2SC1740S-DCTP-Q
OR	3614 5513	TR 2SC2274-F-AA	OR	3614 5240	TR 2SC1740S-DCTP-R
Q2501	3614 7730	TR DTA124ES-DCTP	OR	3614 4947	TR 2SC536-E-SPA-AC
OR	3614 4307	TR 2SA1346-AC	OR	3614 3969	TR 2SC536-F-SPA-AC
Q2502	3614 4377	TR DTC144EL-TL2	Q6904	3614 5227	TR DTC144ES-DCTP
OR	3614 5227	TR DTC144ES-DCTP	OR	3614 5279	TR 2SC3399-AC
OR	3614 5279	TR 2SC3399-AC	Q6921	3614 4546	TR 2SC2960-F-SPA-AC (EXCEPT VCR 3784N/SV)
Q2503	3614 7731	TR 2SC3331-T-AA	OR	3614 4547	TR 2SC2960-G-SPA-AC (EXCEPT VCR 3784N/SV)
OR	3614 4650	TR 2SC3331-U-AA			
Q2504	3614 4377	TR DTC144EL-TL2			
OR	3614 5227	TR DTC144ES-DCTP			
OR	3614 5279	TR 2SC3399-AC			
					(INTEGRATED CIRCUITS)
Q3001	3614 4377	TR DTC144EL-TL2	IC101	3771 6752	IC LA7345M
OR		TR UN6213-(TA)	IC111	3771 6749	IC LC89925
Q3002	3614 4377	TR DTC144EL-TL2	IC162	3771 6791	IC LC74760M-8783
OR		TR UN6213-(TA)			
Q3503	3614 4377	TR DTC144EL-TL2	IC201	3771 6356	IC BA7755A
OR		TR UN6213-(TA)	IC231	3771 6751	IC AN3961NFBP-A
Q3504	3614 4377	TR DTC144EL-TL2	IC301	3771 6776	IC LC866648V-5407
OR		TR UN6213-(TA)	OR	3771 6792	(VCR 3784UK/V/P ONLY)
Q3551	3614 4379	TR 2SC4038-Q-TL2	IC302	3771 8824	IC LC866648V-5420
OR	3614 4378	TR 2SC4038-R-TL2	OR	3771 6775	(EXCEPT VCR 3784UK/V/P)
OR		TR 2SD1991A-Q-(TA)	IC303	3771 5425	IC MN1380-L
OR		TR 2SD1991A-R-(TA)			IC MN1381-L(TA)
Q3552	3614 4379	TR 2SC4038-Q-TL2			IC LB1641
OR	3614 4378	TR 2SC4038-R-TL2	IC351		IC BU2890BK
OR		TR 2SD1991A-Q-(TA)	OR	3771 6761	IC BU2890DK
OR		TR 2SD1991A-R-(TA)	OR	3771 6755	IC XRU2890BK
Q3553	3614 4379	TR 2SC4038-Q-TL2	IC601	3771 5050	IC L5631(EXCEPT VCR 3784N/SV)
OR	3614 4378	TR 2SC4038-R-TL2	OR	3771 4088	IC UPC574J(EXCEPT VCR 3784N/SV)
OR		TR 2SD1991A-Q-(TA)	IC602	3771 6774	IC LE24C02S1(VCR 3784UK/V/P ONLY)
OR		TR 2SD1991A-R-(TA)	OR	3771 6748	IC LE24C04S1(EXCEPT VCR 3784UK/V/P)
Q6001		TR 2SK1104-(TA) P (EXCEPT VCR 3784N/SV)	OR	3771 6588	IC ST24C02AB1(VCR 3784UK/V/P ONLY)
OR		TR 2SK1104-(TA) Q (EXCEPT VCR 3784N/SV)	OR		IC X24C02P-C7189 (VCR 3784UK/V/P ONLY)
OR		TR 2SK1104-(TA) R (EXCEPT VCR 3784N/SV)	OR		IC X24C04P-C7346 (EXCEPT VCR 3784UK/V/P)
OR	3614 7523	TR 2SK222-D-AA(EXCEPT VCR 3784N/SV)	IC631	3771 6758	IC TDA8417(VCR 3784VPS/SV ONLY)
OR		TR 2SK222-E-AA(EXCEPT VCR 3784N/SV)	IC632	3771 5893	IC UPC1391HAMS(VCR 3784VPS/SV ONLY)
OR		TR 2SK772-E-AC(EXCEPT VCR 3784N/SV)	IC691	3771 4684	IC LA7910(EXCEPT VCR 3784N/SV)
Q6004	3614 5227	TR DTC144ES-DCTP (EXCEPT VCR 3784N/SV)			(DIODES)
OR	3614 5279	TR 2SC3399-AC(EXCEPT VCR 3784N/SV)	D1003	3656 2770	DIODE GMA01-BT
Q6006	3614 4691	TR KSC2785-Y(EXCEPT VCR 3784VPS/SV)	OR	3656 2230	DIODE 1SS133-T-77
OR	3614 3781	TR 2SC1740S-DCTP-Q (EXCEPT VCR 3784VPS/SV)	D1004	3656 2770	DIODE GMA01-BT
OR	3614 5240	TR 2SC1740S-DCTP-R (EXCEPT VCR 3784VPS/SV)	OR	3656 2230	DIODE 1SS133-T-77
OR	3614 4947	TR 2SC536-E-SPA-AC (EXCEPT VCR 3784VPS/SV)	D1007	3656 2770	DIODE GMA01-BT
OR	3614 3969	TR 2SC536-F-SPA-AC (EXCEPT VCR 3784VPS/SV)	D1008	3656 2770	DIODE GMA01-BT
Q6611	3614 4690	TR KSA1175-Y	OR	3656 2230	DIODE 1SS133-T-77
OR	3614 4942	TR 2SA608-E-SPA-AC	D1301	3656 2770	DIODE GMA01-BT
OR	3614 5281	TR 2SA608-F-SPA-AC	OR	3656 2230	DIODE 1SS133-T-77
OR	3614 4542	TR 2SA933S-TP-Q	D1601	3656 2770	DIODE GMA01-BT(VCR 3784UK/V/P ONLY)
OR	3614 5540	TR 2SA933S-T93-R	OR	3656 2230	DIODE 1SS133-T-77
Q6621	3614 4691	TR KSC2785-Y	D1602	3656 2770	(VCR 3784UK/V/P ONLY)
OR	3614 3781	TR 2SC1740S-DCTP-Q	OR	3656 2230	DIODE GMA01-BT(VCR 3784UK/V/P ONLY)
OR	3614 5240	TR 2SC1740S-DCTP-R	D1622	3656 2770	DIODE 1SS133-T-77
OR	3614 4947	TR 2SC536-E-SPA-AC	OR	3656 2230	DIODE GMA01-BT
OR	3614 3969	TR 2SC536-F-SPA-AC	D1901		ZENER DIODE MTZJ3.9A-T-77
Q6901	3614 4691	TR KSC2785-Y	OR	3656 3655	ZENER DIODE GZS3.9X-BT
OR	3614 3781	TR 2SC1740S-DCTP-Q	D2001		
OR	3614 5240	TR 2SC1740S-DCTP-R	D2001	3656 2770	DIODE GMA01-BT

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
D2001	3656 2230	DIODE 1SS133-T-77	X6301	4421 2239	OSC,CRYSTAL 10MHZ (VCR 3784VPS/SV ONLY)
D2301	3656 3114	ZENER DIODE MTZ5.6C-T-77			
D2401	3656 2770	DIODE GMA01-BT			
OR	3656 2230	DIODE 1SS133-T-77			
D2402	3656 8811	ZENER DIODE MTZJ5.1C-T-77			
D2403	3656 3368	DIODE AK04-V2	(CERAMIC RESONATORS)		
OR		DIODE ERA83-004V5	XF631	4552 7401	FILTER(VCR 3784VPS/SV ONLY)
D2405	3656 2770	DIODE GMA01-BT	XF632	4552 7567	FILTER,5.74MHZ B.P (VCR 3784VPS/SV ONLY)
OR	3656 2230	DIODE 1SS133-T-77			
D2406	3656 8811	ZENER DIODE MTZJ5.1C-T-77			
D3001	3656 3573	DIODE RB441Q T-77	(VARIABLE RESISTORS)		
D3002	3656 3238	ZENER DIODE GZS8.2Y-BT	VR101		VR,SEMI 22KB
OR	3656 3129	ZENER DIODE MTZJ8.2B-T-77	OR		VR,SEMI 22KB
D3003	3656 3237	ZENER DIODE GZS5.6Y-BT	VR102	3112 9897	VR,SEMI 2.2KB
OR	3656 3130	ZENER DIODE MTZJ5.6B-T-77	OR		VR,SEMI 2.2KB
D3101	3656 2770	DIODE GMA01-BT(VCR 3784N/SV ONLY)	VR103	3112 9637	VR,SEMI 6.8KB
OR	3656 2230	DIODE 1SS133-T-77 (VCR 3784N/SV ONLY)	OR		VR,SEMI 6.8KB
D3102	3656 2770	DIODE GMA01-BT(VCR 3784UK/VP ONLY)	VR104		VR,SEMI 10KB
OR	3656 2230	DIODE 1SS133-T-77 (VCR 3784UK/VP ONLY)	OR		VR,SEMI 10KB
D3103	3656 2770	DIODE GMA01-BT (EXCEPT VCR 3784UK/VP)	VR201	3111 8726	SEMI VR 100KB
OR	3656 2230	DIODE 1SS133-T-77 (EXCEPT VCR 3784UK/VP)	OR		VR,SEMI 100KB
D3104	3656 2770	DIODE GMA01-BT(VCR 3784UK/VP ONLY)	VR233	3112 9638	VR,SEMI 10K S
OR	3656 2230	DIODE 1SS133-T-77 (VCR 3784UK/VP ONLY)	VR234	3112 9639	VR,SEMI 5K S
D3105	3656 2770	DIODE GMA01-BT	VR351	3111 8728	SEMI VR 220KB
OR	3656 2230	DIODE 1SS133-T-77	OR		VR,SEMI 220KB
D3106	3656 2770	DIODE GMA01-BT	VR631		
OR	3656 2230	DIODE 1SS133-T-77	OR	3112 9640	SEMI VR 6.8KB(VCR 3784VPS/SV ONLY) VR,SEMI 6.8KB(VCR 3784VPS/SV ONLY)
D3107	3656 2770	DIODE GMA01-BT	(TRIMMER)		
OR	3656 2230	DIODE 1SS133-T-77	CT120	3412 9041	TRIMMER
D3110	3656 2770	DIODE GMA01-BT	(INDUCTORS)		
OR	3656 2230	DIODE 1SS133-T-77	L1002	4543 2197	COIL,INDUCTOR 1.0UHM
D3111	3656 2770	DIODE GMA01-BT	OR	4543 3478	HF CHOKE 1.0UHK
OR	3656 2230	DIODE 1SS133-T-77	L1004	4543 8727	COIL,INDUCTOR 150UHK
D3112	3656 2770	DIODE GMA01-BT (EXCEPT VCR 3784UK/VP)	OR		HF CHOKE 150UHK
OR	3656 2230	DIODE 1SS133-T-77 (EXCEPT VCR 3784UK/VP)	L1005	4543 3337	COIL,INDUCTOR 220UHK
D3113	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 220UHK
OR	3656 2230	DIODE 1SS133-T-77	L1007	4543 3254	COIL,INDUCTOR 3.3UHK
D3121	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 3.3UHK
OR	3656 2230	DIODE 1SS133-T-77	L1008	4543 3252	COIL,INDUCTOR 15UHK
D3122	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 15UHK
OR	3656 2230	DIODE 1SS133-T-77	L1009	4543 3242	COIL,INDUCTOR 2.2UHM
D3123	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 2.2UHK
OR	3656 2230	DIODE 1SS133-T-77	L1010	4543 8728	COIL,INDUCTOR 27UHK
D3502	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 27UHK
OR	3656 2230	DIODE 1SS133-T-77	L1012	4543 3933	COIL,INDUCTOR 39UHK
D3554	3656 2770	DIODE GMA01-BT	OR		COIL,INDUCTOR 33UHK
OR	3656 2230	DIODE 1SS133-T-77	L1013	4543 8725	HF CHOKE 33UHK
D6001	3656 3084	ZENER DIODE MTZ33A-T-77 (VCR 3784N/SV ONLY)	OR		COIL,INDUCTOR 39UHK
OR		ZENER DIODE MTZ33B-T-77 (VCR 3784N/SV ONLY)	L1101	4543 3266	COIL,INDUCTOR 82UHK
D6901	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 82UHK
OR	3656 2230	DIODE 1SS133-T-77	L1622	4543 2258	COIL,INDUCTOR 5.6UHK
D6902	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 5.6UHK
OR	3656 2230	DIODE 1SS133-T-77			
D6903	3656 2770	DIODE GMA01-BT			
OR	3656 2230	DIODE 1SS133-T-77			
(CRYSTAL DEVICES)			L6002	4543 1989	COIL,INDUCTOR 10UHK (VCR 3784VPS/SV ONLY)
X1001	4421 2238	OSC,CRYSTAL 4.433619MHZ	OR		HF CHOKE 10UHK(VCR 3784VPS/SV ONLY)
OR		OSC,CRYSTAL 4.433619MHZ	L6003	4543 1989	COIL,INDUCTOR 10UHK (VCR 3784VPS/SV ONLY)
OR		OSC,CRYSTAL 4.433619MHZ	OR		HF CHOKE 10UHK(VCR 3784VPS/SV ONLY)
X1621	4421 2466	CRYSTAL	L6004	4543 1989	COIL,INDUCTOR 10UHK (VCR 3784VPS/SV ONLY)
OR		OSC,CRYSTAL 17.734475MHZ	OR		HF CHOKE 10UHK(VCR 3784VPS/SV ONLY)
X3001	4421 2214	RESONATOR,CERAMIC13.92MHZ	OR		COIL,INDUCTOR 10UHK (VCR 3784VPS/SV ONLY)
X3002	4421 2348	OSC,CRYSTAL 32KHZ	L6005	4543 1989	HF CHOKE 10UHK(VCR 3784VPS/SV ONLY)
OR		OSC,CRYSTAL 32.768KHZ	OR		COIL,INDUCTOR 10UHK (VCR 3784VPS/SV ONLY)

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
L6005		HF CHOKE 10UHK(VCR 3784VPS/SV ONLY)	C1107	CERAMIC	47P J 50V
L6601	4543 3252	COIL,INDUCTOR 15UHK	C1109	CERAMIC	0.01U M 16V
OR		HF CHOKE 15UHK	C1110	ELECT	1U M 50V
L6602	4543 1989	COIL,INDUCTOR 10UHK	C1311	CERAMIC	0.022U J 16V
OR		HF CHOKE 10UHK	C1601	CERAMIC	0.1U Z 50V
L6621	4543 2199	COIL,INDUCTOR 100UHK (EXCEPT VCR 3784VPS/SV)	C1602	ELECT	470U M 6.3V (VCR 3784UK/V/P ONLY)
OR	4543 1988	COIL,INDUCTOR 56UHK (VCR 3784UK/V/P ONLY)	C1621	CERAMIC	15P J 50V
OR		HF CHOKE 56UHK(VCR 3784UK/V/P ONLY)	C1622	CERAMIC	15P J 50V
OR		HF CHOKE 100UHK (EXCEPT VCR 3784UK/V/P)	C1623	ELECT	47U M 6.3V
(TRANSFORMERS)			C1624	ELECT	47U M 10V
T2001	4552 7546	TRANS,OSC	C1625	ELECT	10U M 50V
T2501	4552 7545	TRANS,OSC	C1627	CERAMIC	100P J 50V
T6901	4552 7548	TRANS,IF	C1628	ELECT	10U M 50V
OR	4552 7568	TRANS,IF	C1630	CERAMIC	6800P J 16V
(DELAY LINES)			C1631	NP-ELECT	1U M 50V
DL101	4342 1036	DELAY LINE(COMB)	C1632	CERAMIC	0.022U J 16V
OR		DELAY LINE(COMB)	C1633	CERAMIC	24P J 50V
(CAPACITORS)			C1634	CERAMIC	10P D 50V
C1002	CERAMIC	180P J 50V	C1635	CERAMIC	0.1U Z 50V
C1003	CERAMIC	100P J 50V	C1636	CERAMIC	0.01U M 16V
C1005	ELECT	0.47U M 50V	C1637	ELECT	47U M 6.3V
C1006	CERAMIC	4.7P K 50V	C2001	ELECT	0.22U M 50V
C1007	CERAMIC	390P J 50V	C2002	CERAMIC	0.01U K 16V
C1009	CERAMIC	4.7P K 50V	C2003	ELECT	33U M 6.3V
C1010	CERAMIC	82P J 50V	C2004	CERAMIC	2200P M 16V
C1011	ELECT	1U M 50V	C2005	ELECT	1U M 50V
C1012	ELECT	10U M 16V	C2006	CERAMIC	0.012U K 16V
C1013	ELECT	0.47U M 50V	C2007	ELECT	10U M 16V
C1014	CERAMIC	0.01U M 16V	C2009	CERAMIC	220P J 50V
C1015	CERAMIC	0.033U Z 16V	C2010	CERAMIC	2700P M 16V
C1016	CERAMIC	0.022U J 16V	C2019	ELECT	47U M 16V
C1021	CERAMIC	390P J 50V	C2021	CERAMIC	0.022U Z 25V
C1022	CERAMIC	0.1U J 16V	C2022	CERAMIC	4700P M 16V
C1023	CERAMIC	150P J 50V	C2023	CERAMIC	220P K 50V
C1028	CERAMIC	0.1U Z 50V	C2024	POLYPRO	6800P J 100V
C1030	ELECT	1U M 50V	C2025	CERAMIC	8200P K 16V
C1031	ELECT	1U M 50V	C2027	CERAMIC	0.022U K 16V
C1032	CERAMIC	0.047U J 16V	C2030	ELECT	10U M 16V
C1033	CERAMIC	0.022U J 16V	C2301	ELECT	10U M 16V
C1034	CERAMIC	75P J 50V	C2302	ELECT	10U M 16V
C1036	ELECT	1U M 50V	C2303	ELECT	10U M 16V
C1037	ELECT	2.2U M 50V	C2305	ELECT	10U M 16V
C1038	CERAMIC	0.022U J 16V	C2306	ELECT	10U M 16V
C1039	CERAMIC	0.047U J 16V	C2307	ELECT	10U M 16V
C1040	CERAMIC	0.01U M 16V	C2308	ELECT	10U M 16V
C1041	ELECT	10U M 16V	C2310	ELECT	33U M 6.3V
C1042	CERAMIC	0.047U J 16V	C2311	ELECT	33U M 6.3V
C1044	ELECT	47U M 6.3V	C2312	ELECT	33U M 6.3V
C1046	ELECT	10U M 16V	C2313	CERAMIC	0.047U K 16V
C1047	ELECT	10U M 16V	C2314	CERAMIC	0.047U K 16V
C1048	CERAMIC	0.01U M 16V	C2315	ELECT	2.2U M 50V
C1049	CERAMIC	33P J 50V	C2316	ELECT	2.2U M 50V
C1050	CERAMIC	0.01U M 16V	C2317	ELECT	100U M 6.3V
C1051	CERAMIC	470P J 50V	C2318	ELECT	100U M 6.3V
C1052	CERAMIC	560P J 50V	C2319	CERAMIC	0.015U K 16V
C1053	CERAMIC	0.01U M 16V	C2320	CERAMIC	0.015U K 16V
C1054	ELECT	47U M 6.3V	C2321	CERAMIC	0.01U J 16V
C1058	CERAMIC	27P J 50V	C2322	CERAMIC	0.01U J 16V
C1060	CERAMIC	27P J 50V	C2323	CERAMIC	0.01U K 16V
C1061	CERAMIC	22P J 50V	C2324	CERAMIC	0.01U K 16V
C1062	CERAMIC	180P J 50V	C2325	CERAMIC	0.01U M 16V
C1063	CERAMIC	82P J 50V	C2326	CERAMIC	0.01U M 16V
C1064	CERAMIC	0.01U M 16V	C2327	ELECT	47U M 6.3V
C1081	CERAMIC	82P J 50V	C2328	ELECT	47U M 6.3V
C1098	CERAMIC	0.1U Z 50V	C2329	CERAMIC	0.01U M 16V
C1099	CERAMIC	0.1U Z 50V	C2330	CERAMIC	0.01U M 16V
C1101	ELECT	47U M 6.3V	C2331	ELECT	10U M 16V
C1102	CERAMIC	0.01U M 16V	C2332	ELECT	10U M 16V
C1104	CERAMIC	100P J 50V	C2333	ELECT	10U M 16V
C1105	CERAMIC	47P J 50V	C2334	ELECT	47U M 16V
C1106	CERAMIC	4.7P K 50V	C2343	ELECT	10U M 16V
					(EXCEPT VCR 3784VPS/SV)
			C2344	MT-POLYEST	0.22U J 50V
			C2345	CERAMIC	270P J 50V
			C2346	CERAMIC	2200P J 16V

LOCATION	PARTS NO.	DESCRIPTION				LOCATION	PARTS NO.	DESCRIPTION			
C2350		CERAMIC	0.01U	M	16V	C6004		MT-POLYEST	0.1U	J	50V
C2352		ELECT	10U	M	16V	C6005		(EXCEPT VCR 3784N/SV)			
C2353		ELECT	22U	M	6.3V	C6006		ELECT	4.7U	M	25V
C2354		ELECT	1U	M	50V	C6007		(VCR 3784VPS/SV ONLY)			
C2361		ELECT	47U	M	6.3V	C6009		ELECT	47U	M	16V
C2362		CERAMIC	0.01U	M	16V	C6010		CERAMIC	0.047U	Z	16V
C2371		CERAMIC	0.01U	M	16V	C6011		(EXCEPT VCR 3784N/SV)			
C2372		CERAMIC	0.01U	M	16V	C6012		ELECT	22U	M	50V
C2401		CERAMIC	0.01U	M	16V	C6013		CERAMIC	0.1U	Z	50V
C2402		ELECT	47U	M	6.3V	C6022		ELECT	4.7U	M	25V
C2403		CERAMIC	0.01U	M	16V	C6031		(EXCEPT VCR 3784VPS/SV)			
C2407		ELECT	47U	M	16V	C6032		ELECT	4.7U	M	25V
		(EXCEPT VCR 3784UK/VP)						(EXCEPT VCR 3784VPS/SV)			
C2501		POLYPRO	0.047U	J	100V	C6097		CERAMIC	470P	K	50V
C2502		ELECT	47U	M	16V	C6098		MT-POLYEST	0.033U	J	50V
C2503		CERAMIC	0.01U	M	16V	C6099		(EXCEPT VCR 3784VPS/SV)			
C2504		CERAMIC	0.01U	M	16V	C6301		CERAMIC	390P	J	50V
C3001		ELECT	2.2U	M	50V	C6302		(VCR 3784UK/VP ONLY)			
C3002		CERAMIC	0.01U	M	16V	C6304		CERAMIC	0.01U	M	16V
C3003		CERAMIC	0.1U	Z	25V	C6305		ELECT	100U	M	6.3V
C3004		CERAMIC	0.01U	M	16V	C6306		(EXCEPT VCR 3784VPS/SV)			
C3005		CERAMIC	0.01U	M	16V	C6307		CERAMIC	0.01U	M	16V
C3008		ELECT	10U	M	16V	C6308		ELECT	100U	M	16V
C3009		CERAMIC	0.01U	M	16V	C6309		(VCR 3784VPS/SV ONLY)			
C3010		CERAMIC	12P	J	50V	C6312		CERAMIC	0.01U	M	16V
C3011		CERAMIC	20P	J	50V	C6313		(VCR 3784VPS/SV ONLY)			
C3012		CERAMIC	0.01U	M	16V	C6314		CERAMIC	82P	J	50V
C3013		CERAMIC	0.01U	M	16V	C6601		(VCR 3784VPS/SV ONLY)			
C3014		ELECT	470U	M	6.3V	C6602		ELECT	10U	M	50V
C3015		CERAMIC	10P	J	50V	C6611		ELECT	2.2U	M	50V
C3016		CERAMIC	0.01U	M	16V	C6621		ELECT	4.7U	M	25V
C3017		CERAMIC	330P	K	50V	C6622		(VCR 3784VPS/SV ONLY)			
C3020		CERAMIC	0.1U	Z	50V	C6901		CERAMIC	0.1U	Z	50V
C3021		CERAMIC	0.1U	Z	50V	C6902		ELECT	10U	M	16V
C3022	3422 8772	DL-ELECT	0.047F	Z	5.5V	C6903		CERAMIC	0.022U	Z	25V
C3050		CERAMIC	0.01U	M	16V	C6904		ELECT	0.22U	M	50V
C3051		CERAMIC	0.1U	Z	25V	C6905		(VCR 3784UK/VP ONLY)			
C3055		CERAMIC	0.1U	Z	50V	C6921		CERAMIC	39P	J	50V
C3501		CERAMIC	0.015U	K	16V	C6924		(EXCEPT VCR 3784UK/VP)			
C3502		CERAMIC	6800P	K	16V	C6925		CERAMIC	0.1U	Z	50V
C3503		CERAMIC	0.015U	K	16V	C6930		ELECT	10U	M	16V
C3505		ELECT	22U	M	10V	R1001		CERAMIC	0.01U	M	16V
C3506		CERAMIC	6800P	K	16V	R1002		(EXCEPT VCR 3784VPS/SV)			
C3508		ELECT	22U	M	10V	R1003		MT-POLYEST	0.33U	J	50V
C3509		ELECT	47U	M	6.3V	R1004		(EXCEPT VCR 3784N/SV)			
C3510		CERAMIC	0.01U	M	16V	R1005		MT-POLYEST	0.22U	J	50V
C3511		CERAMIC	220P	K	50V			(EXCEPT VCR 3784N/SV)			
C3513		CERAMIC	0.068U	K	16V			CERAMIC	180P	K	50V
C3514		POLYESTER	0.1U	K	50V			ELECT	10U	M	16V
C3515		POLYESTER	0.022U	K	50V			CERAMIC	0.1U	Z	50V
C3516		CERAMIC	2200P	K	16V			ELECT	2.2U	M	50V
C3517		CERAMIC	1500P	K	16V			CERAMIC	33P	J	50V
C3522		CERAMIC	1000P	K	50V			CERAMIC	33P	J	50V
C3523		ELECT	1U	M	50V			(VCR 3784UK/VP ONLY)			
C3524		CERAMIC	0.01U	M	16V			CERAMIC	39P	J	50V
C3525		ELECT	0.47U	M	50V			(EXCEPT VCR 3784UK/VP)			
C3526		CERAMIC	0.022U	K	16V			CERAMIC	0.1U	Z	50V
C3530		ELECT	47U	M	6.3V			ELECT	10U	M	16V
C3536		ELECT	220U	M	6.3V			CERAMIC	0.022U	Z	25V
C3551		MT-POLYEST	0.12U	J	50V			ELECT	0.22U	M	50V
C3552		CERAMIC	56P	J	50V			CERAMIC	0.1U	Z	50V
C3553		ELECT	1U	M	50V			CERAMIC	0.1U	Z	50V
C3554		CERAMIC	150P	J	50V			(EXCEPT VCR 3784VPS/SV)			
C3555		CERAMIC	0.01U	M	16V			MT-POLYEST	0.33U	J	50V
C3556		CERAMIC	1000P	K	50V			(EXCEPT VCR 3784N/SV)			
C3558		ELECT	33U	M	16V			MT-POLYEST	0.22U	J	50V
C3560		CERAMIC	100P	K	50V			(EXCEPT VCR 3784N/SV)			
C3570		CERAMIC	0.1U	Z	50V			CERAMIC	180P	K	50V
C3571		CERAMIC	0.1U	Z	50V			(EXCEPT VCR 3784N/SV)			
C3599		MT-POLYEST	0.039U	J	50V			CERAMIC	0.1U	Z	50V
								(RESISTORS)			
C6001		CERAMIC	0.1U	Z	50V	R1001		CARBON	3.3K	JA	1/4W
C6002		ELECT	4.7U	M	25V	R1002		CARBON	1.2K	JA	1/4W
C6003		ELECT	1U	M	50V	R1003		CARBON	3.9K	JA	1/4W
		(VCR 3784VPS/SV ONLY)				R1004		CARBON	1K	JA	1/4W
		(VCR 3784VPS/SV ONLY)				R1005		CARBON	750	JA	1/4W

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
R1006	CARBON	430 JA 1/4W	R1694	CARBON	9.1K JA 1/4W
R1007	CARBON	1K JA 1/4W		(EXCEPT VCR 3784UK/VP)	
R1008	CARBON	2.7K JA 1/4W	R1695	CARBON	1K JA 1/4W
R1009	CARBON	1K JA 1/4W		(EXCEPT VCR 3784UK/VP)	
R1011	CARBON	100K JA 1/4W			
R1012	CARBON	1K JA 1/4W	R2001	CARBON	2.7K JA 1/4W
R1013	CARBON	1K JA 1/4W	R2002	CARBON	10K JA 1/4W
R1014	CARBON	2.2K JA 1/4W	R2003	CARBON	270K JA 1/4W
R1018	CARBON	1K JA 1/4W	R2004	CARBON	240 JA 1/4W
R1019	CARBON	22K JA 1/4W	R2005	CARBON	20K JA 1/4W
R1020	CARBON	15K JA 1/4W	R2006	CARBON	2.2K JA 1/4W
R1021	CARBON	1.2K JA 1/4W	R2007	CARBON	16K JA 1/4W
R1022	CARBON	470 JA 1/4W	R2008	CARBON	15K JA 1/4W
R1026	CARBON	1M JA 1/4W	R2010	CARBON	3.3K JA 1/4W
R1027	CARBON	8.2K JA 1/4W	R2013	△ 3151 7957 FUSIBLE RES	22 JA 1/4W
R1028	CARBON	1.8K JA 1/4W	R2015	CARBON	4.7 JA 1/4W
R1029	CARBON	1K JA 1/4W	R2020	CARBON	3.3K JA 1/4W
R1030	CARBON	4.7K JA 1/4W	R2035	CARBON	22K JA 1/4W
R1031	CARBON	1.8K JA 1/4W	R2036	CARBON	47 JA 1/4W
R1032	CARBON	22K JA 1/4W	R2038	CARBON	100 JA 1/4W
R1033	CARBON	1K JA 1/4W	R2301	CARBON	47K JA 1/4W
R1035	CARBON	470 JA 1/4W	R2302	CARBON	47K JA 1/4W
R1036	CARBON	1.5K JA 1/4W	R2303	CARBON	24K JA 1/4W
R1038	CARBON	1K JA 1/4W	R2304	CARBON	24K JA 1/4W
R1040	CARBON	150 JA 1/4W	R2305	CARBON	47K JA 1/4W
R1041	CARBON	100 JA 1/4W	R2306	CARBON	47K JA 1/4W
	(VCR 3784VPS/SV ONLY)		R2307	CARBON	24K JA 1/4W
R1042	CARBON	1K JA 1/4W	R2308	CARBON	24K JA 1/4W
	(VCR 3784VPS/SV ONLY)		R2309	CARBON	33K JA 1/4W
R1044	CARBON	12K JA 1/4W	R2310	CARBON	33K JA 1/4W
R1046	CARBON	33K JA 1/4W	R2311	CARBON	30K JA 1/4W
R1047	CARBON	8.2K JA 1/4W	R2312	CARBON	30K JA 1/4W
R1048	CARBON	4.7K JA 1/4W	R2313	CARBON	510 JA 1/4W
R1049	CARBON	12K JA 1/4W	R2314	CARBON	510 JA 1/4W
R1052	CARBON	1K JA 1/4W	R2315	CARBON	4.7K JA 1/4W
R1053	CARBON	330 JA 1/4W	R2316	CARBON	4.7K JA 1/4W
R1054	CARBON	3.3K JA 1/4W	R2317	CARBON	12K JA 1/4W
R1058	CARBON	4.7K JA 1/4W	R2318	CARBON	12K JA 1/4W
R1059	CARBON	1.8K JA 1/4W	R2319	CARBON	3.9K JA 1/4W
R1063	CARBON	22K JA 1/4W	R2320	CARBON	3.9K JA 1/4W
R1065	CARBON	1K JA 1/4W	R2321	MT-FILM	15K FD 1/4W
R1071	CARBON	2.7K JA 1/4W	R2322	MT-FILM	12K FD 1/4W
R1072	CARBON	1.8K JA 1/4W	R2323	CARBON	2.7K JA 1/4W
R1104	CARBON	560 JA 1/4W	R2324	CARBON	1K JA 1/4W
R1105	CARBON	1K JA 1/4W	R2329	CARBON	220 JA 1/4W
R1106	CARBON	1K JA 1/4W	R2330	CARBON	220 JA 1/4W
R1107	CARBON	2.2K JA 1/4W	R2335	CARBON	10K JA 1/4W
R1153	CARBON	4.7K JA 1/4W	R2336	CARBON	22K JA 1/4W
R1154	CARBON	4.7K JA 1/4W	R2338	CARBON	3.9M JA 1/4W
R1312	CARBON	10K JA 1/4W	R2339	CARBON	1K JA 1/4W
R1601	CARBON	560 JA 1/4W	R2340	CARBON	12K JA 1/4W
R1602	CARBON	68 JA 1/4W	R2343	CARBON	390K JA 1/4W
	(VCR 3784UK/VP ONLY)		R2344	CARBON	10K JA 1/4W
R1621	CARBON	22K JA 1/4W	R2345	CARBON	10K JA 1/4W
R1622	CARBON	4.3K JA 1/4W	R2346	CARBON	2.2K JA 1/4W
R1623	CARBON	1.5K JA 1/4W	R2347	CARBON	10K JA 1/4W
R1624	CARBON	10K JA 1/4W	R2348	CARBON	10K JA 1/4W
R1625	CARBON	6.8K JA 1/4W	R2349	CARBON	10K JA 1/4W
R1626	CARBON	100K JA 1/4W	R2350	CARBON	510K JA 1/4W
R1627	CARBON	220 JA 1/4W	R2351	CARBON	47K JA 1/4W
R1628	CARBON	100 JA 1/4W	R2352	CARBON	47K JA 1/4W
R1629	CARBON	2.2K JA 1/4W	R2353	CARBON	24K JA 1/4W
R1630	CARBON	1.5K JA 1/4W	R2354	CARBON	24K JA 1/4W
R1631	CARBON	6.8K JA 1/4W	R2355	CARBON	33K JA 1/4W
R1632	CARBON	1K JA 1/4W		(EXCEPT VCR 3784VPS/SV)	
R1633	CARBON	560 JA 1/4W	R2356	CARBON	30K JA 1/4W
	(VCR 3784UK/VP ONLY)			(EXCEPT VCR 3784VPS/SV)	
R1634	CARBON	1K JA 1/4W	R2360	CARBON	22K JA 1/4W
	(EXCEPT VCR 3784UK/VP)		R2361	CARBON	10K JA 1/4W
R1691	CARBON	680 JA 1/4W	R2368	CARBON	1K JA 1/4W
	(VCR 3784UK/VP ONLY)		R2371	CARBON	1.8K JA 1/4W
OR	CARBON	820 JA 1/4W	R2380	CARBON	220K JA 1/4W
	(EXCEPT VCR 3784UK/VP)		R2403	CARBON	1K JA 1/4W
R1692	CARBON	820 JA 1/4W	R2404	CARBON	10K JA 1/4W
	(EXCEPT VCR 3784UK/VP)			(EXCEPT VCR 3784UK/VP)	
R1693	CARBON	1K JA 1/4W	R2405	CARBON	3.3K JA 1/4W
	(VCR 3784UK/VP ONLY)			(EXCEPT VCR 3784UK/VP)	
OR	CARBON	13K JA 1/4W			
	(EXCEPT VCR 3784UK/VP)				

LOCATION	PARTS NO.	DESCRIPTION				LOCATION	PARTS NO.	DESCRIPTION			
R2406		CARBON	1K	JA	1/4W	R6011		CARBON	330K	JA	1/4W
R2407		CARBON	1K	JA	1/4W	R6014		(EXCEPT VCR 3784N/SV)			
	(EXCEPT VCR 3784UK/V/P)					R6014		CARBON	2K	JA	1/4W
R2501	△ 3151 7957	FUSIBLE RES	22	JA	1/4W	R6016		(VCR 3784VPS/SV ONLY)			
R2502		CARBON	47	JA	1/4W	R6017		CARBON	100K	JA	1/4W
R2503		CARBON	15K	JA	1/4W	R6018		(EXCEPT VCR 3784VPS/SV)			
R2504		CARBON	10	JA	1/4W			CARBON	91K	JA	1/4W
R2505		CARBON	10K	JA	1/4W			(EXCEPT VCR 3784VPS/SV)			
R2506		CARBON	10K	JA	1/4W			CARBON	91K	JA	1/4W
R3001	△ 3151 7950	FUSIBLE RES	3.3	JA	1/2W	R6019		(EXCEPT VCR 3784VPS/SV)			
R3002		CARBON	750	JA	1/4W	R6021		CARBON	2.2K	JA	1/4W
R3004		CARBON	1.5K	JA	1/4W	R6022		(EXCEPT VCR 3784VPS/SV)			
R3008		CARBON	47K	JA	1/4W	R6301		CARBON	2.2K	JA	1/4W
R3009		CARBON	4.7K	JA	1/4W	R6302		(EXCEPT VCR 3784VPS/SV)			
R3010		CARBON	4.7K	JA	1/4W	R6303		CARBON	6.8K	JA	1/4W
R3011		CARBON	4.7K	JA	1/4W	R6304		(EXCEPT VCR 3784VPS/SV)			
R3012		CARBON	4.7K	JA	1/4W	R6309		CARBON	4.7K	JA	1/4W
R3013		CARBON	4.7K	JA	1/4W	R6312		(VCR 3784VPS/SV ONLY)			
R3014		CARBON	200K	JA	1/4W	R6313		CARBON	470	JA	1/4W
R3015		CARBON	200K	JA	1/4W	R6314		(VCR 3784VPS/SV ONLY)			
R3018		CARBON	10K	JA	1/4W	R6315		CARBON	330	JA	1/4W
R3022		CARBON	100K	JA	1/4W	R6316		(VCR 3784VPS/SV ONLY)			
R3023		CARBON	1K	JA	1/4W			CARBON	560	JA	1/4W
R3024		CARBON	1K	JA	1/4W			(VCR 3784VPS/SV ONLY)			
R3025		CARBON	1K	JA	1/4W			CARBON	330	JA	1/4W
R3026		CARBON	1K	JA	1/4W			(VCR 3784VPS/SV ONLY)			
R3027		CARBON	10K	JA	1/4W			CARBON	10K	JA	1/4W
R3028		CARBON	10K	JA	1/4W			(VCR 3784VPS/SV ONLY)			
R3029		CARBON	10K	JA	1/4W			CARBON	12K	JA	1/4W
R3030		CARBON	10K	JA	1/4W			(VCR 3784VPS/SV ONLY)			
R3032		CARBON	33K	JA	1/4W			CARBON	8.2K	JA	1/4W
R3036		CARBON	10K	JA	1/4W			(VCR 3784VPS/SV ONLY)			
R3038		CARBON	1K	JA	1/4W			CARBON	10K	JA	1/4W
R3043		CARBON	10K	JA	1/4W			(VCR 3784VPS/SV ONLY)			
R3501		CARBON	100K	JA	1/4W	R6317		CARBON	1K	JA	1/4W
R3502		CARBON	100K	JA	1/4W	R6611		(VCR 3784VPS/SV ONLY)			
R3503		CARBON	330K	JA	1/4W	R6612		CARBON	1.3K	JA	1/4W
R3504		CARBON	150K	JA	1/4W	R6613		(CARBON	1.8K	JA	1/4W
R3505		CARBON	15K	JA	1/4W	R6621		560	JA	1/4W	
R3506		CARBON	220K	JA	1/4W	R6622		CARBON	5.6K	JA	1/4W
R3507		CARBON	150K	JA	1/4W	R6623		(CARBON	1K	JA	1/4W
R3508		CARBON	27K	JA	1/4W	R6624		820	JA	1/4W	
R3516		CARBON	10K	JA	1/4W	R6901		(CARBON	1.8K	JA	1/4W
R3517		CARBON	47K	JA	1/4W	R6902		1K	JA	1/4W	
R3518		CARBON	47K	JA	1/4W	R6903		(CARBON	330	JA	1/4W
R3520		CARBON	330K	JA	1/4W	R6904		620	JA	1/4W	
R3521		CARBON	10K	JA	1/4W	R6905		(CARBON	10K	JA	1/4W
R3525		CARBON	1K	JA	1/4W	R6906		330K	JA	1/4W	
R3526		CARBON	2.2K	JA	1/4W	R6907		(CARBON	10K	JA	1/4W
R3527		CARBON	1K	JA	1/4W	R6908		3.3K	JA	1/4W	
R3528		CARBON	510	JA	1/4W	R6909		(CARBON	82	JA	1/4W
R3529		CARBON	510	JA	1/4W	R6910		1K	JA	1/4W	
R3533		CARBON	1.5K	JA	1/4W	R6911		(CARBON	510	JA	1/4W
R3537		CARBON	8.2K	JA	1/4W	R6912		5.6K	JA	1/4W	
R3546		CARBON	4.7K	JA	1/4W	R6921		(CARBON	3.9K	JA	1/4W
R3547		CARBON	15K	JA	1/4W			(CARBON	3.9K	JA	1/4W
R3549		CARBON	10K	JA	1/4W			(EXCEPT VCR 3784N/SV)			
R3550		CARBON	8.2K	JA	1/4W	R6923		CARBON	10K	JA	1/4W
R3551		CARBON	10K	JA	1/4W	R6924		(EXCEPT VCR 3784N/SV)			
R3552		CARBON	100K	JA	1/4W	R6925		CARBON	10K	JA	1/4W
R3553		CARBON	220K	JA	1/4W	R6926		(EXCEPT VCR 3784N/SV)			
R3555		CARBON	100K	JA	1/4W	R6927		CARBON	18K	JA	1/4W
R3556		CARBON	10K	JA	1/4W			(EXCEPT VCR 3784N/SV)			
R3557		CARBON	330K	JA	1/4W			CARBON	15K	JA	1/4W
R3558		CARBON	470	JA	1/4W			(EXCEPT VCR 3784N/SV)			
R3560		CARBON	1K	JA	1/4W			CARBON	12K	JA	1/4W
R6003		CARBON	1M	JA	1/4W			(EXCEPT VCR 3784N/SV)			
R6004		CARBON	1M	JA	1/4W			CARBON	120	JA	1/4W
	(EXCEPT VCR 3784N/SV)						(VCR 3784VPS/SV ONLY)				
R6005		CARBON	620K	JA	1/4W			CARBON	33K	JA	1/4W
	(EXCEPT VCR 3784N/SV)						(EXCEPT VCR 3784N/SV)				
R6006		CARBON	390K	JA	1/4W						
R6007		CARBON	560K	JA	1/4W						
R6010		CARBON	330K	JA	1/4W						
	(EXCEPT VCR 3784N/SV)										
	(SWITCHES)										
							S3101		SW,PUSH,REW		
							OR	4112 7524	SWITCH,PUSH,REW		

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION	
S3102		SW,PUSH,PLAY	L1851		HF CHOKE 100UHK	
OR	4112 7524	SWITCH,PUSH,PLAY	L1852	4543 3251	COIL,INDUCTOR 68UHK	
S3103		SW,PUSH,REC	OR		HF CHOKE 68UHK	
OR	4112 7524	SWITCH,PUSH,REC	L1901	4543 1949	COIL,INDUCTOR 47UHJ	
S3104		SW,PUSH,EJECT	L1902	4543 1949	COIL,INDUCTOR 47UHJ	
OR	4112 7524	SWITCH,PUSH,EJECT	L1903	4543 4007	COIL,INDUCTOR 120UHJ	
S3105		SW,PUSH,FF	L1931	4543 3251	COIL,INDUCTOR 68UHK	
OR	4112 7524	SWITCH,PUSH,FF	OR		HF CHOKE 68UHK	
S3106		SW,PUSH,STOP	(CAPACITORS)			
OR	4112 7524	SWITCH,PUSH,STOP	C1801		OS-SOLID	
S3107		SW,PUSH,PAUSE	C1802		CERAMIC	
OR	4112 7524	SWITCH,PUSH,PAUSE	C1803		CERAMIC	
S3108		SW,PUSH,POWER	C1804		CERAMIC	
OR	4112 7524	SWITCH,PUSH,POWER	C1805		ELECT	
S3117		SW,PUSH,CH +	C1806		CERAMIC	
OR	4112 7524	SWITCH,PUSH,CH +	C1808		CERAMIC	
S3118		SW,PUSH,CH -	C1809		CERAMIC	
OR	4112 7524	SWITCH,PUSH,CH -	C1810		CERAMIC	
(PROTECTOR)			C1811		CERAMIC	
PR241	4375 2113	CIRCUIT PROTECTOR	C1812		CERAMIC	
COMPL PWB,VP-1			C1813		CERAMIC	
COMPL.NO.6913 6639			C1814		CERAMIC	
(SEMICONDUCTORS)			C1815		CERAMIC	
Q1802	3614 4691	TR KSC2785-Y	C1816		CERAMIC	
OR	3614 3781	TR 2SC1740S-DCTP-Q	C1817		CERAMIC	
OR	3614 5240	TR 2SC1740S-DCTP-R	C1818		CERAMIC	
OR	3614 4947	TR 2SC536-E-SPA-AC	C1831		CERAMIC	
OR	3614 3969	TR 2SC536-F-SPA-AC	C1832		CERAMIC	
Q1850	3614 4690	TR KSA1175-Y	C1834		CERAMIC	
OR	3614 4942	TR 2SA608-E-SPA-AC	C1851		CERAMIC	
OR	3614 5281	TR 2SA608-F-SPA-AC	C1852		CERAMIC	
OR	3614 4542	TR 2SA933S-TP-Q	C1853		CERAMIC	
OR	3614 5540	TR 2SA933S-T93-R	C1855		CERAMIC	
Q1851	3614 4463	TR 2SC2058S-DCTP-Q	C1861		CERAMIC	
OR	3614 4306	TR 2SC2839-E-SPA-AC	C1862		ELECT	
OR	3614 4436	TR 2SC2839-F-SPA-AC	C1867		CERAMIC	
Q1852	3614 4690	TR KSA1175-Y	C1901		CERAMIC	
OR	3614 4942	TR 2SA608-E-SPA-AC	C1902		CERAMIC	
OR	3614 5281	TR 2SA608-F-SPA-AC	C1903		CERAMIC	
OR	3614 4542	TR 2SA933S-TP-Q	C1904		CERAMIC	
OR	3614 5540	TR 2SA933S-T93-R	C1905		CERAMIC	
Q2901	3614 5240	TR 2SC1740S-DCTP-R	C1906		CERAMIC	
OR	3614 4675	TR 2SC1740S-DCTP-S	C1909		OS-SOLID	
OR	3614 3969	TR 2SC536-F-SPA-AC	C2901		ELECT	
OR	3614 4435	TR 2SC536-G-SPA-AC	C2902		CERAMIC	
(INTEGRATED CIRCUITS)			C2903		CERAMIC	
IC181	3771 6590	IC LA7374	C2904		CERAMIC	
IC191	3771 6756	IC TEA5750	C2905		ELECT	
IC291	3771 6747	IC LA7270	C2906		CERAMIC	
(DIODES)			C2907		CERAMIC	
D1801	3656 2770	DIODE GMA01-BT	C2908		ELECT	
OR	3656 2230	DIODE 1SS133-T-77	C2909		CERAMIC	
D1901	3656 3659	ZENER DIODE GZS2.7X-BT	C2910		CERAMIC	
OR	3656 3587	ZENER DIODE MTZJ2.7A-T-77	C2911		CERAMIC	
(VARIABLE RESISTORS)			C2912		CERAMIC	
VR181	3111 8928	SEMI VR 1KB	C2913		CERAMIC	
OR		VR,SEMI 1KB	(RESISTORS)			
VR182	3111 8971	SEMI VR 2.2KXB	R1801		CARBON	
OR	3112 9636	VR,SEMI 2.2KB	R1802		CARBON	
(INDUCTORS)			R1803		CARBON	
L1831	4543 8766	COIL,INDUCTOR 6.8UHK	R1805		CARBON	
OR		HF CHOKE 6.8UHK	R1806		CARBON	
L1832	4543 3246	COIL,INDUCTOR 22UHK	R1807		CARBON	
OR		HF CHOKE 22UHK	R1808		CARBON	
L1834	4543 1960	COIL,INDUCTOR 180UHK	R1809		CARBON	
OR		HF CHOKE 180UHK	R1810		CARBON	
L1851	4543 2199	COIL,INDUCTOR 100UHK	R1811		CARBON	
			R1812		CARBON	
			R1813		CARBON	
			R1814		CARBON	
			R1815		CARBON	
			R1816		CARBON	
			R1817		CARBON	

LOCATION	PARTS NO.	DESCRIPTION				LOCATION	PARTS NO.	DESCRIPTION			
R1831		CARBON	470	JA	1/4W			COMPL.NO.6913 6641 (VCR 3784N/SV ONLY)			
R1832		CARBON	1K	JA	1/4W			COMPL.NO.6913 6644 (VCR 3784VPS/SV ONLY)			
R1850		CARBON	1.8K	JA	1/4W						
R1851		CARBON	330	JA	1/4W						
R1852		CARBON	22K	JA	1/4W						
R1853		CARBON	22K	JA	1/4W						
R1854		CARBON	390	JA	1/4W						
R1855		CARBON	390	JA	1/4W						
R1856		CARBON	1.8K	JA	1/4W						
R1860		CARBON	470	JA	1/4W						
R1869		CARBON	1.8K	JA	1/4W						
R1901		MT-GLAZE	22K	JA	1/10W						
R1902		MT-GLAZE	27K	JA	1/10W						
R1903		MT-GLAZE	1K	JA	1/10W						
R1904		MT-GLAZE	100	JA	1/10W						
R1905		MT-GLAZE	820	JA	1/10W						
R1906		MT-GLAZE	2.7K	JA	1/10W						
R1907		MT-GLAZE	1M	JA	1/10W						
R1908		MT-FILM	1.2K	FD	1/4W						
R1909		MT-FILM	1.1K	FD	1/4W						
R1931		CARBON	82	JA	1/4W						
R1932		CARBON	82	JA	1/4W						
R2901		CARBON	4.7	JA	1/4W						
R2902		CARBON	10	JA	1/4W						
R2903		CARBON	180	JA	1/4W						
R2904		CARBON	120	JA	1/4W						
R2905		CARBON	1K	JA	1/4W						
R2906		CARBON	2.2K	JA	1/4W						
R2907		CARBON	180	JA	1/4W						
R2908		CARBON	1K	JA	1/4W						
COMPL PWB,TM-1											
COMPL.NO.6913 6638											
(REMOTE RECEIVERS)											
RR711	6913 6685	IR RECEIVER	PACK UNIT								
OR		IR RECEIVER	PACK UNIT								
(DISPLAYS)											
A7101	3686 1162	FLUORESCENT TUBE									
OR		FLUORESCENT TUBE									
(MISCELLANEOUS)											
	8681 5261	HOLDER FL									
COMPL PCB,TM-8											
COMPL.NO.6913 0957 (VCR 3784VPS/SV ONLY)											
(INTEGRATED CIRCUIT)											
IC781	3771 5597	IC SDA5642(VCR 3784VPS/SV ONLY)									
(CAPACITORS)											
C7802		CERAMIC	150P	J	50V						
		(VCR 3784VPS/SV ONLY)									
C7804		POLYESTER	0.1U	J	50V						
		(VCR 3784VPS/SV ONLY)									
(RESISTORS)											
R7805		MT-GLAZE	2.2K	JA	1/10W						
		(VCR 3784VPS/SV ONLY)									
R7806		MT-GLAZE	1M	JA	1/10W						
		(VCR 3784VPS/SV ONLY)									
R7807		MT-GLAZE	820K	JA	1/10W						
		(VCR 3784VPS/SV ONLY)									
R7808		MT-GLAZE	100K	JA	1/10W						
		(VCR 3784VPS/SV ONLY)									
R7809		MT-GLAZE	10K	JA	1/10W						
		(VCR 3784VPS/SV ONLY)									
R7810		MT-GLAZE	1.2M	JA	1/10W						
		(VCR 3784VPS/SV ONLY)									
R7811		MT-GLAZE	100	JA	1/10W						
		(VCR 3784VPS/SV ONLY)									
R7812		MT-GLAZE	5.6K	JA	1/10W						
		(VCR 3784VPS/SV ONLY)									
COMPL PWB,PW-1											
COMPL.NO.6913 6674 (VCR 3784UK/VP ONLY)											
(SEMICONDUCTORS)											
Q5001		3614 7732									
Q5002		3614 4448									
Q5003		3614 4541									
(INTEGRATED CIRCUITS)											
IC511		3771 5863									
IC512		3771 6750									
(DIODES)											
D5001		3656 3652									
D5003		3656 3178									
D5004		3656 3131									
D5005		3656 3131									
D5006		3656 8809									
D5007		3656 3131									
D5008		3656 3131									
D5011		3681 1830									
D5101		3656 3653									
D5102		3656 3660									
D5103		3656 3181									
OR		3656 3080									
D5104		3656 3131									
D5105		3656 3181									
OR		3656 3080									
D5109		3656 3455									
D5113		3656 3586									
D5114		3614 7684									
(INDUCTORS)											
L5001		4552 6841									
L5002		4552 6978									
L5101		4543 4008									
L5102		4543 3724									
L5103		4654 1550									
(TRANSFORMER)											
T5001		4511 3516									
TRANS,POWER,PULSE											
(CAPACITORS)											
C5001		3261 9057									
C5002		3261 9056									
C5003		3261 9053									
C5004		3261 9054									
OR		3261 9055									
C5010		3422 0154									
C5011		3422 0201									
C5012		3422 0809									
C5013											
C5014		3422 0155									
C5016											
C5017											
C5101											
C5102											
C5105											
C5106											
C5107											
C5108											
C5109											
C5110											
C5111											
C5112											
(RESISTORS)											
R5001		3151 7954									
R5010											
R5011											
R5012											
R5014											
R5015											
R5016											
R5017											

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
R5018		CARBON 33 JA 1/2W	Q8651		TR 2SD1991A-R-(TA)
R5019		CARBON 100 JA 1/2W	Q8652	3614 4614	TR 2SA1561-TL2-Q
R5020	3151 7910	OXIDE-MT 0.47 JA 1W	OR	3614 4492	TR 2SA1561-TL2-R
R5021		CARBON 27K JA 1/4W	OR		TR 2SB1320A-Q-(TA)
R5022		CARBON 1 JA 1/4W	OR		TR 2SB1320A-R-(TA)
R5023		CARBON 22 JA 1/4W	Q8661	3614 4377	TR DTC144EL-TL2
R5024		CARBON 10K JA 1/4W	OR		TR UN6213-(TA)
R5025		CARBON 1K JA 1/4W	Q8662	3614 4379	TR 2SC4038-Q-TL2
R5103		CARBON 150 JA 1/4W	OR	3614 4378	TR 2SC4038-R-TL2
R5105		MT-FILM 560 FD 1/4W	OR		TR 2SD1991A-Q-(TA)
R5106		MT-FILM 620 FD 1/4W	OR		TR 2SD1991A-R-(TA)
R5107		CARBON 100 JA 1/4W			
R5108		CARBON 5.6K JA 1/4W			
R5109		MT-FILM 82 FD 1/4W	IC851	3771 6592	IC TC4053BF(EXCEPT VCR 3784UK/VP)
R5112		CARBON 12K JA 1/4W	IC852	3771 6592	IC TC4053BF(EXCEPT VCR 3784UK/VP)
R5113		CARBON 430 JA 1/2W	IC861	3771 4675	IC BA7021(VCR 3784UK/VP ONLY)
		(EXCEPT VCR 3784N/SV)	OR	3771 5789	IC LA7221(VCR 3784UK/VP ONLY)
OR		CARBON 820 JA 1/2W	IC862	3771 6532	IC BA7630S(EXCEPT VCR 3784UK/VP)
		(VCR 3784N/SV ONLY)			
R5114		CARBON 430 JA 1/2W			
		(EXCEPT VCR 3784N/SV)	(DIODES)		
OR		CARBON 820 JA 1/2W	D8601	3656 3392	ZENER DIODE GZS5.6X-BT
		(VCR 3784N/SV ONLY)	OR	3656 3081	(VCR 3784UK/VP ONLY)
R5118		CARBON 8.2K JA 1/4W	D8602	3656 3392	ZENER DIODE MTZ5.6B-T-77
R5119		CARBON 2.2K JA 1/4W	OR	3656 3081	(VCR 3784UK/VP ONLY)
R5120	△ 3151 7955	FUSIBLE RES 1.5 JA 1/4W	OR	3656 2770	ZENER DIODE GZS5.6X-BT
R5121		CARBON 22 JB 1/4W	OR	3656 2230	(VCR 3784UK/VP ONLY)
			OR	3656 2230	ZENER DIODE MTZ5.6B-T-77
			D8603	3656 2770	(VCR 3784UK/VP ONLY)
(FUSE)			OR	3656 2230	ZENER DIODE GMA01-BT
F5001	△ 4375 2124	FUSE 250V 2.5A			(EXCEPT VCR 3784UK/VP)
			OR	3656 2230	ZENER DIODE 1SS133-T-77
			D8604	3656 2770	(EXCEPT VCR 3784UK/VP)
(CONNECTOR)			OR	3656 2230	ZENER DIODE GMA01-BT
CN501	△ 4144 8342	CONNECTOR,INLET			(EXCEPT VCR 3784UK/VP)
	8681 4988	HOLDER,FUSE,F5001	D8605	3656 2770	ZENER DIODE 1SS133-T-77
			OR	3656 2230	(EXCEPT VCR 3784UK/VP)
COMPL PWB,TB-1			D8606	3656 2770	ZENER DIODE GMA01-BT
COMPL.NO.6913 6647		(VCR 3784UK/VP ONLY)	OR	3656 2230	(EXCEPT VCR 3784UK/VP)
COMPL.NO.6913 6640		(VCR 3784N/SV ONLY)	D8607	3656 2770	ZENER DIODE 1SS133-T-77
COMPL.NO.6913 6645		(VCR 3784VPS/SV ONLY)	OR	3656 2230	(EXCEPT VCR 3784UK/VP)
			D8608	3656 3392	ZENER DIODE GZS5.6X-BT
(SEMICONDUCTORS)			OR	3656 2770	(EXCEPT VCR 3784UK/VP)
Q8601	3614 4690	TR KSA1175-Y(EXCEPT VCR 3784UK/VP)	OR	3656 2230	ZENER DIODE 1SS133-T-77
OR	3614 4942	TR 2SA608-E-SPA-AC	D8609	3656 3392	(EXCEPT VCR 3784UK/VP)
		(EXCEPT VCR 3784UK/VP)	OR	3656 3081	ZENER DIODE GZS5.6X-BT
OR	3614 5281	TR 2SA608-F-SPA-AC	OR	3656 3081	(EXCEPT VCR 3784UK/VP)
		(EXCEPT VCR 3784UK/VP)	D8610	3656 3392	ZENER DIODE GMA01-BT
OR	3614 4542	TR 2SA933S-TP-Q	OR	3656 3081	(EXCEPT VCR 3784UK/VP)
		(EXCEPT VCR 3784UK/VP)	D8611	3656 3392	ZENER DIODE 1SS133-T-77
OR	3614 5540	TR 2SA933S-T93-R	OR	3656 3081	(EXCEPT VCR 3784UK/VP)
		(EXCEPT VCR 3784UK/VP)	D8612	3656 3060	ZENER DIODE GZS5.6X-BT
Q8602	3614 4690	TR KSA1175-Y(EXCEPT VCR 3784UK/VP)	OR	3656 3575	(EXCEPT VCR 3784UK/VP)
OR	3614 4942	TR 2SA608-E-SPA-AC	D8613	3656 2770	ZENER DIODE MTZ5.6B-T-77
		(EXCEPT VCR 3784UK/VP)	OR	3656 2230	(EXCEPT VCR 3784UK/VP)
OR	3614 5281	TR 2SA608-F-SPA-AC	D8614	3656 3392	ZENER DIODE GZS5.6X-BT
		(EXCEPT VCR 3784UK/VP)	OR	3656 3081	(EXCEPT VCR 3784UK/VP)
OR	3614 4542	TR 2SA933S-TP-Q	D8615	3656 3392	ZENER DIODE MTZ5.6B-T-77
		(EXCEPT VCR 3784UK/VP)	OR	3656 3081	(EXCEPT VCR 3784UK/VP)
OR	3614 5540	TR 2SA933S-T93-R	D8616	3656 3392	ZENER DIODE GZS5.6X-BT
		(EXCEPT VCR 3784UK/VP)	OR	3656 3081	(EXCEPT VCR 3784UK/VP)
Q8603	3614 4377	TR DTC144EL-TL2	D8617	3656 3060	ZENER DIODE 1SS133-T-77
		(EXCEPT VCR 3784UK/VP)	OR	3656 3575	(EXCEPT VCR 3784UK/VP)
OR		TR UN6213-(TA)	D8618	3656 2770	ZENER DIODE GZS15Y-BT
		(EXCEPT VCR 3784UK/VP)	OR	3656 2230	(EXCEPT VCR 3784UK/VP)
Q8604	3614 4377	TR DTC144EL-TL2	D8619	3656 3392	ZENER DIODE GZS15Y-BT
		(EXCEPT VCR 3784UK/VP)	OR	3656 3081	(EXCEPT VCR 3784UK/VP)
OR		TR UN6213-(TA)	D8620	3656 3060	ZENER DIODE GZS15Y-BT
		(EXCEPT VCR 3784UK/VP)	OR	3656 3575	(EXCEPT VCR 3784UK/VP)
Q8605	3614 4614	TR 2SA1561-TL2-Q	D8621	3656 2770	ZENER DIODE MTZJ15B-T-77
		(EXCEPT VCR 3784UK/VP)	OR	3656 2230	(EXCEPT VCR 3784UK/VP)
OR	3614 4492	TR 2SA1561-TL2-R	D8622	3656 3575	ZENER DIODE GMA01-BT
		(EXCEPT VCR 3784UK/VP)	OR	3656 3060	(EXCEPT VCR 3784UK/VP)
OR		TR 2SB1320A-Q-(TA)	D8623	3656 3575	ZENER DIODE MTZJ15B-T-77
		(EXCEPT VCR 3784UK/VP)	OR	3656 3060	(EXCEPT VCR 3784UK/VP)
OR		TR 2SB1320A-R-(TA)			
		(EXCEPT VCR 3784UK/VP)			
Q8651	3614 4379	TR 2SC4038-Q-TL2	(CAPACITORS)	C8502	CERAMIC 220P J 50V
OR	3614 4378	TR 2SC4038-R-TL2	C8504	CERAMIC 220P J 50V	
OR		TR 2SD1991A-Q-(TA)			

LOCATION	PARTS NO.	DESCRIPTION				LOCATION	PARTS NO.	DESCRIPTION			
C8506	CERAMIC	1000P	J	50V		R8616		CARBON	4.7K	JA	1/4W
C8508	CERAMIC	1000P	J	50V		R8617		CARBON	4.7K	JA	1/4W
C8513	CERAMIC	220P	J	50V		R8618		(EXCEPT VCR 3784UK/VP)			
C8522	CERAMIC	220P	J	50V		R8619		CARBON	4.7K	JA	1/4W
C8524	CERAMIC	220P	J	50V		R8620		(EXCEPT VCR 3784UK/VP)			
C8526	CERAMIC	1000P	J	50V		R8621		CARBON	1K	JA	1/4W
C8528	CERAMIC	1000P	J	50V		R8623		(EXCEPT VCR 3784UK/VP)			
C8533	CERAMIC	220P	J	50V		R8624		CARBON	47K	JA	1/4W
C8551	CERAMIC	1000P	J	50V	(EXCEPT VCR 3784UK/VP)	R8625	(EXCEPT VCR 3784UK/VP)	CARBON	2.2K	JA	1/4W
C8552	CERAMIC	1000P	J	50V	(EXCEPT VCR 3784UK/VP)	R8626	CARBON	4.7K	JA	1/4W	
C8601	ELECT	10U	M	16V		R8627		CARBON	330	JA	1/4W
C8602	ELECT	10U	M	16V		R8628		CARBON	330	JA	1/4W
C8603	CERAMIC	100P	J	50V	(VCR 3784VPS/SV ONLY)		CARBON	4.7K	JA	1/4W	
C8604	CERAMIC	0.1U	Z	50V	(VCR 3784UK/VP ONLY)	R8629	(EXCEPT VCR 3784UK/VP)	CARBON	1.2K	JA	1/4W
C8605	CERAMIC	0.1U	Z	50V		R8631		CARBON	1.2K	JA	1/4W
C8607	CERAMIC	0.01U	M	16V	(EXCEPT VCR 3784UK/VP)	R8651	(EXCEPT VCR 3784UK/VP)	CARBON	5.6K	JA	1/4W
C8608	ELECT	47U	M	6.3V	(EXCEPT VCR 3784UK/VP)	R8652		CARBON	5.6K	JA	1/4W
C8609	ELECT	470U	M	6.3V	(EXCEPT VCR 3784UK/VP)	R8653		CARBON	56	JA	1/4W
C8610	NP-ELECT	0.47U	M	50V	(EXCEPT VCR 3784UK/VP)	R8654		CARBON	12K	JA	1/4W
C8611	NP-ELECT	0.47U	M	50V		R8655		CARBON	8.2K	JA	1/4W
C8651	CERAMIC	0.1U	Z	50V		R8656		CARBON	4.7K	JA	1/4W
(RESISTORS)											
R8501	CARBON	1K	JA	1/4W		R8657		(VCR 3784UK/VP ONLY)			
R8502	CARBON	1K	JA	1/4W		R8661		CARBON	27K	JA	1/4W
R8503	CARBON	680	JA	1/4W		R8662		CARBON	3K	JA	1/4W
R8504	CARBON	680	JA	1/4W		R8663		CARBON	1.2K	JA	1/4W
R8505	CARBON	220K	JA	1/4W							
R8506	CARBON	1K	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8508	CARBON	1K	JA	1/4W							
R8509	CARBON	680	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8512	CARBON	1K	JA	1/4W							
R8521	CARBON	1K	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8522	CARBON	1K	JA	1/4W							
R8523	CARBON	680	JA	1/4W							
R8524	CARBON	680	JA	1/4W							
R8525	CARBON	220K	JA	1/4W							
R8528	CARBON	1K	JA	1/4W							
R8529	CARBON	680	JA	1/4W							
R8601	CARBON	75	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8602	CARBON	75	JA	1/4W							
R8603	CARBON	1K	JA	1/4W							
R8604	CARBON	1K	JA	1/4W	(VCR 3784UK/VP ONLY)						
R8605	CARBON	1K	JA	1/4W	(VCR 3784UK/VP ONLY)						
R8606	CARBON	820	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8607	CARBON	820	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8608	CARBON	39	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8609	CARBON	33	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8610	CARBON	820	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8611	CARBON	820	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8612	CARBON	39	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8613	CARBON	33	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8614	CARBON	100	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
R8615	CARBON	100	JA	1/4W	(EXCEPT VCR 3784UK/VP)						
(JACKS)											
JK851								SOCKET,			
JK852								SOCKET,			
JK853								SOCKET,			
JK854								SOCKET,			
(CONNECTORS)											
CN871								SOCKET,21P			
CN872								SOCKET,21P			
COMPL PWB,TN-5											
COMPL.NO.6913 6676 (VCR 3784UK/VP ONLY)											
COMPL.NO.6913 6642 (VCR 3784N/SV ONLY)											
(SEMICONDUCTORS)											
Q6701		3614 4466						TR 2SC2412K-T96-R			
								(EXCEPT VCR 3784VPS/SV)			
OR		3614 5272						TR 2SC2412K-T96-S			
								(EXCEPT VCR 3784VPS/SV)			
OR		3614 4383						TR 2SC2812-L5-TB			
								(EXCEPT VCR 3784VPS/SV)			
OR		3614 4635						TR 2SC2812-L6-TB			
								(EXCEPT VCR 3784VPS/SV)			
Q6702		3614 4466						TR 2SC2412K-T96-R			
								(EXCEPT VCR 3784VPS/SV)			
OR		3614 5272						TR 2SC2412K-T96-S			
								(EXCEPT VCR 3784VPS/SV)			
OR		3614 4383						TR 2SC2812-L5-TB			
								(EXCEPT VCR 3784VPS/SV)			
OR		3614 4635						TR 2SC2812-L6-TB			
								(EXCEPT VCR 3784VPS/SV)			
(INTEGRATED CIRCUITS)											
IC671		3771 6754						IC TDA8205(EXCEPT VCR 3784VPS/SV)			
								IC TDA8204(EXCEPT VCR 3784VPS/SV)			
IC672		3771 6753						IC LA6458M-T1			
IC673		3771 6746						(EXCEPT VCR 3784VPS/SV)			
(CRYSTAL DEVICE)											
X6701		4421 8808						OSC,CRYSTAL 11.648MHZ			
								(EXCEPT VCR 3784VPS/SV)			

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
(CERAMIC RESONATORS)					
XF671	4552 6822	TRAP,CERAMIC 5.5MHZ (VCR 3784N/SV ONLY)	C6730	ELECT 10U M	16V (EXCEPT VCR 3784VPS/SV)
OR	4552 6842	TRAP,CERAMIC 6.0MHZ (VCR 3784UK/V ONLY)	C6731	CERAMIC 5600P K	50V (EXCEPT VCR 3784VPS/SV)
XF672	4552 7519	FILTER,5.85MHZ(VCR 3784N/SV ONLY)	C6732	CERAMIC 2200P K	50V (EXCEPT VCR 3784VPS/SV)
OR	4552 6980	FILTER,5.85MHZ B.P.F (VCR 3784N/SV ONLY)	C6733	CERAMIC 2700P K	50V (EXCEPT VCR 3784VPS/SV)
OR	4552 6935	FILTER,6.552MHZ(VCR 3784UK/V ONLY)	C6734	ELECT 10U M	16V (EXCEPT VCR 3784VPS/SV)
OR	4552 6979	FILTER,6.552MHZ B.P.F (VCR 3784UK/V ONLY)	C6735	CERAMIC 0.01U K	50V (EXCEPT VCR 3784VPS/SV)
(INDUCTORS)					
L6701	4543 3252	COIL,INDUCTOR 15UHK (VCR 3784UK/V ONLY)	C6737	ELECT 10U M	16V (EXCEPT VCR 3784VPS/SV)
L6702	4543 3610	COIL,INDUCTOR 2.2UHJ (EXCEPT VCR 3784VPS/SV)	C6738	ELECT 10U M	16V (EXCEPT VCR 3784VPS/SV)
OR		HF CHOKE 2.2UHJ (EXCEPT VCR 3784VPS/SV)	C6739	ELECT 10U M	16V (EXCEPT VCR 3784VPS/SV)
L6703	4543 3610	COIL,INDUCTOR 2.2UHJ (EXCEPT VCR 3784VPS/SV)	C6740	ELECT 10U M	16V (EXCEPT VCR 3784VPS/SV)
OR		HF CHOKE 2.2UHJ (EXCEPT VCR 3784VPS/SV)	C6743	CERAMIC 0.01U K	50V (EXCEPT VCR 3784VPS/SV)
L6704	4543 3610	COIL,INDUCTOR 2.2UHJ (EXCEPT VCR 3784VPS/SV)	C6745	ELECT 10U M	16V (EXCEPT VCR 3784VPS/SV)
OR		HF CHOKE 2.2UHJ (EXCEPT VCR 3784VPS/SV)	C6746	ELECT 10U M	16V (EXCEPT VCR 3784VPS/SV)
			C6747	CERAMIC 0.01U K	50V (EXCEPT VCR 3784VPS/SV)
(CAPACITORS)					
C6701		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)	C6753	CERAMIC 0.01U K	50V (EXCEPT VCR 3784VPS/SV)
C6702		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)	C6757	ELECT 47U M	6.3V (EXCEPT VCR 3784VPS/SV)
C6703		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)	C6758	CERAMIC 680P J	50V (EXCEPT VCR 3784VPS/SV)
C6704		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)	(RESISTORS)		
C6708		CERAMIC 220P J 50V (EXCEPT VCR 3784VPS/SV)	R6701	MT-GLAZE 270 JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6709		CERAMIC 220P J 50V (EXCEPT VCR 3784VPS/SV)	R6702	MT-GLAZE 2.7K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6710		CERAMIC 0.1U Z 50V (EXCEPT VCR 3784VPS/SV)	R6703	MT-GLAZE 10K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6711		CERAMIC 6800P K 50V (EXCEPT VCR 3784VPS/SV)	R6704	MT-GLAZE 2.2K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6712		CERAMIC 6800P K 50V (EXCEPT VCR 3784VPS/SV)	R6705	MT-GLAZE 100 JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6713		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)	R6706	MT-GLAZE 270 JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6714		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)	R6707	MT-GLAZE 82 JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6715		ELECT 100U M 6.3V (EXCEPT VCR 3784VPS/SV)	R6715	MT-GLAZE 43K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6716		ELECT 47U M 16V (EXCEPT VCR 3784VPS/SV)	R6716	MT-GLAZE 15K JA	1/10W (VCR 3784UK/V ONLY)
C6717		CERAMIC 120P J 50V (EXCEPT VCR 3784VPS/SV)	OR	MT-GLAZE 22K JA	1/10W (VCR 3784N/SV ONLY)
C6718		MT-COMPO 0.22U J 50V (EXCEPT VCR 3784VPS/SV)	R6717	MT-GLAZE 5.6K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6719		CERAMIC 150P J 50V (EXCEPT VCR 3784VPS/SV)	R6718	MT-GLAZE 43K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6720		CERAMIC 6800P K 50V (EXCEPT VCR 3784VPS/SV)	R6719	MT-GLAZE 5.6K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6721		CERAMIC 15P J 50V (EXCEPT VCR 3784VPS/SV)	R6720	MT-GLAZE 1M JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6722		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)	R6722	MT-GLAZE 150 JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6723		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)	R6723	MT-GLAZE 39K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6724		ELECT 220U M 6.3V (EXCEPT VCR 3784VPS/SV)	R6726	MT-GLAZE 68K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6725		CERAMIC 0.1U Z 50V (EXCEPT VCR 3784VPS/SV)	R6727	MT-GLAZE 68K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6727		CERAMIC 5600P K 50V (EXCEPT VCR 3784VPS/SV)	R6728	MT-GLAZE 2.2K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6728		CERAMIC 2700P K 50V (EXCEPT VCR 3784VPS/SV)	R6729	MT-GLAZE 2.7K JA	1/10W (EXCEPT VCR 3784VPS/SV)
C6729		CERAMIC 2200P K 50V (EXCEPT VCR 3784VPS/SV)	R6730	MT-GLAZE 2.2K JA	1/10W (EXCEPT VCR 3784VPS/SV)

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
R6731	MT-GLAZE 15K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6703	MT-GLAZE 0.000 ZA 1/10W (VCR 3784UK/VP ONLY)	
R6732	MT-GLAZE 15K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6704	MT-GLAZE 0.000 ZA 1/10W (VCR 3784N/SV ONLY)	
R6733	MT-GLAZE 68K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6705	MT-GLAZE 0.000 ZA 1/10W (VCR 3784N/SV ONLY)	
R6734	MT-GLAZE 68K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6706	MT-GLAZE 0.000 ZA 1/10W (VCR 3784N/SV ONLY)	
R6735	MT-GLAZE 2.2K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6715	MT-GLAZE 0.000 ZA 1/10W (EXCEPT VCR 3784VPS/SV)	
R6736	MT-GLAZE 2.7K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6726	MT-GLAZE 0.000 ZA 1/10W (EXCEPT VCR 3784VPS/SV)	
R6737	MT-GLAZE 2.2K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6730	MT-GLAZE 0.000 ZA 1/10W (EXCEPT VCR 3784VPS/SV)	
R6738	MT-GLAZE 15K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6740	MT-GLAZE 0.000 ZA 1/10W (VCR 3784UK/VP ONLY)	
R6739	MT-GLAZE 15K JA	1/10W (EXCEPT VCR 3784VPS/SV)	J6741	MT-GLAZE 0.000 ZA 1/10W (VCR 3784N/SV ONLY)	
R6740	MT-GLAZE 22K JA	1/10W (EXCEPT VCR 3784VPS/SV)		COMPL,MC-1	
R6741	MT-GLAZE 22K JA	1/10W (EXCEPT VCR 3784VPS/SV)		COMPL.NO.6913 1133	
R6742	MT-GLAZE 39K JA	1/10W (EXCEPT VCR 3784VPS/SV)		(DIODE)	
R6743	MT-GLAZE 39K JA	1/10W (EXCEPT VCR 3784VPS/SV)	D8001	3683 1088	PHOTO COUPLE SPI-315-04-C
R6745	MT-GLAZE 680 JA	1/10W (EXCEPT VCR 3784VPS/SV)	OR	3683 1102	PHOTO DIODE ON2170-R
R6748	CARBON 10M JA	1/4W (EXCEPT VCR 3784VPS/SV)		(RESISTOR)	
R6750	CARBON 270 JA	1/4W (EXCEPT VCR 3784VPS/SV)	R8001	CARBON 270 JA 1/4W	
R6751	MT-GLAZE 5.6K JA	1/10W (EXCEPT VCR 3784VPS/SV)	OR	CARBON 270 JA 1/6W	
			R8002	CARBON 100 JA 1/4W	
			OR	CARBON 100 JA 1/6W	
(JUMPERS)				(SWITCH)	
J6701	MT-GLAZE 0.000 ZA 1/10W (VCR 3784UK/VP ONLY)		S8001	4112 9704	SPECIAL SWITCH
J6702	MT-GLAZE 0.000 ZA 1/10W (VCR 3784UK/VP ONLY)			FLEXIBLE FLAT CABLE	
				4131 4290	FLEXIBLE FLAT CABLES,CP-1 - MC-2

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VCR 3784 HIFI VPS/SV

VCR 3784 HIFI N/SV

VCR 3784 HIFI UK/VP

BLOCK DIAGRAMS, CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS

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2-27. CP-1 BOARD (TN-A, CV-A) TUNER IF & RF CONVERTER CONNECTION (VCR 3784 HIFI UK/VP)	47

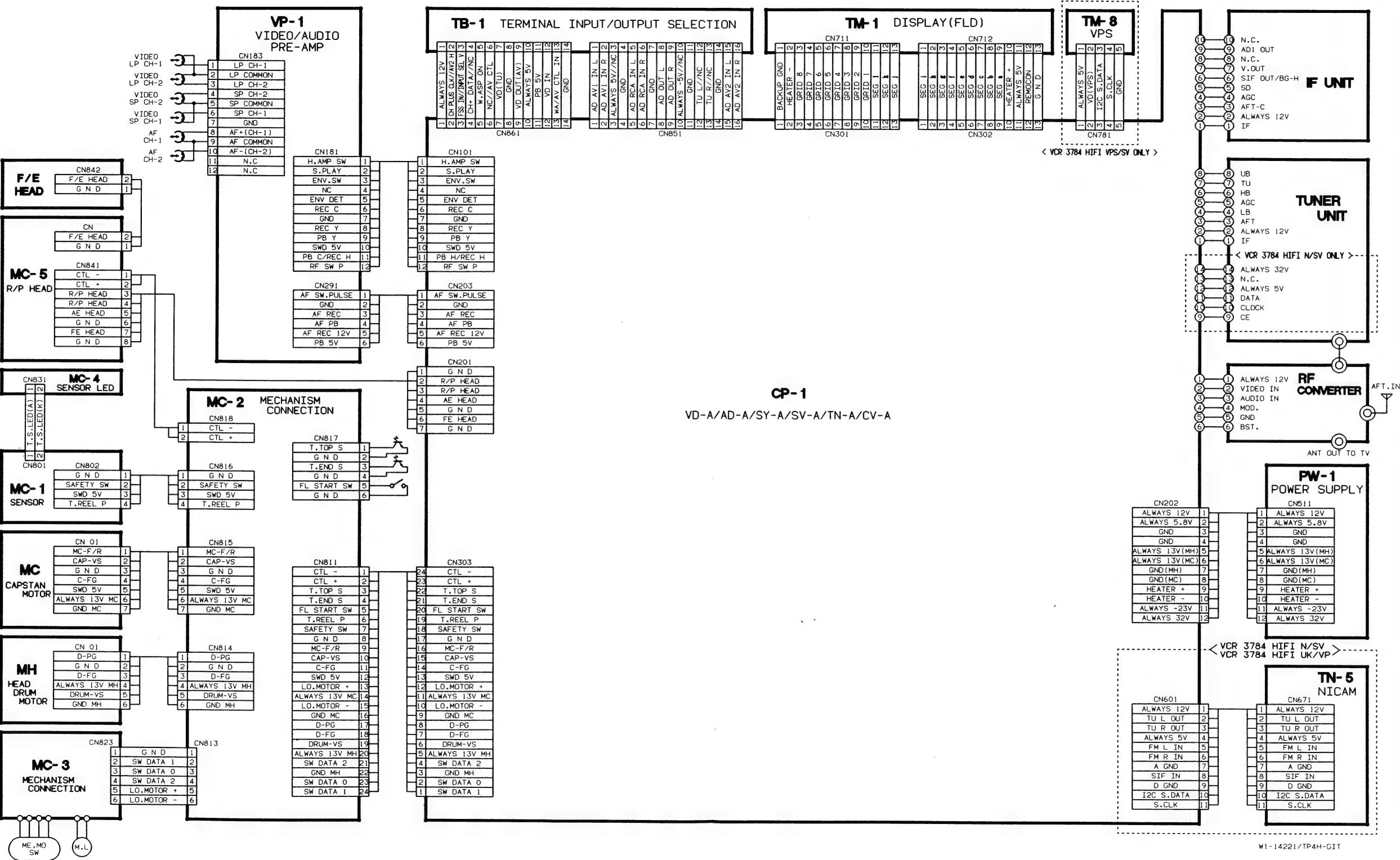
NOTES:

1. All resistance values in "OHMS" unless otherwise noted.
(K=1,000 M=1,000,000)
2. All capacitance values in "μfd" unless otherwise noted.
p=pico farad
3. All inductance values in "mH"unless otherwise noted.
μ=micro henry.

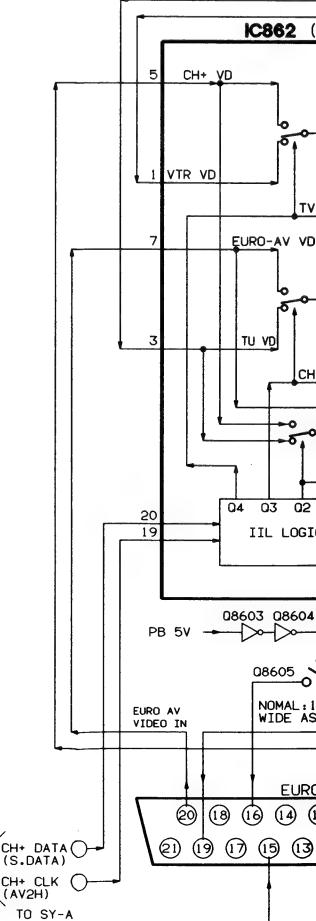
PRODUCT SAFETY NOTICE

THE COMPONENTS DESIGNATED BY A SYMBOL () IN THIS SCHEMATIC DIAGRAM DESIGNATES COMPONENTS WHOSE VALUE ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A SYMBOL NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

1. OVERALL WIRING, MECHANISM CONNECTION, & BLOCK DIAGRAMS

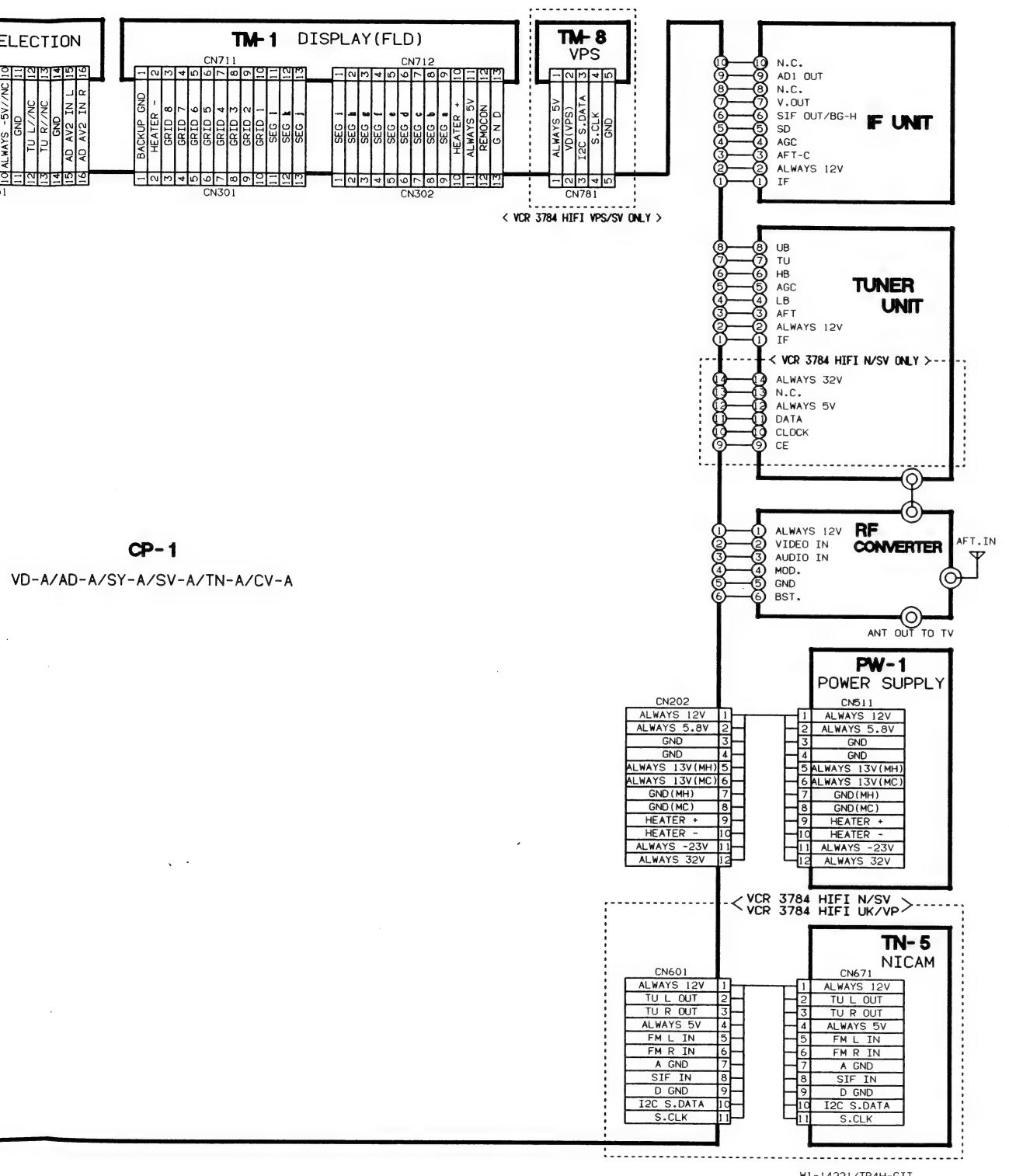


1-3. TERMINAL &

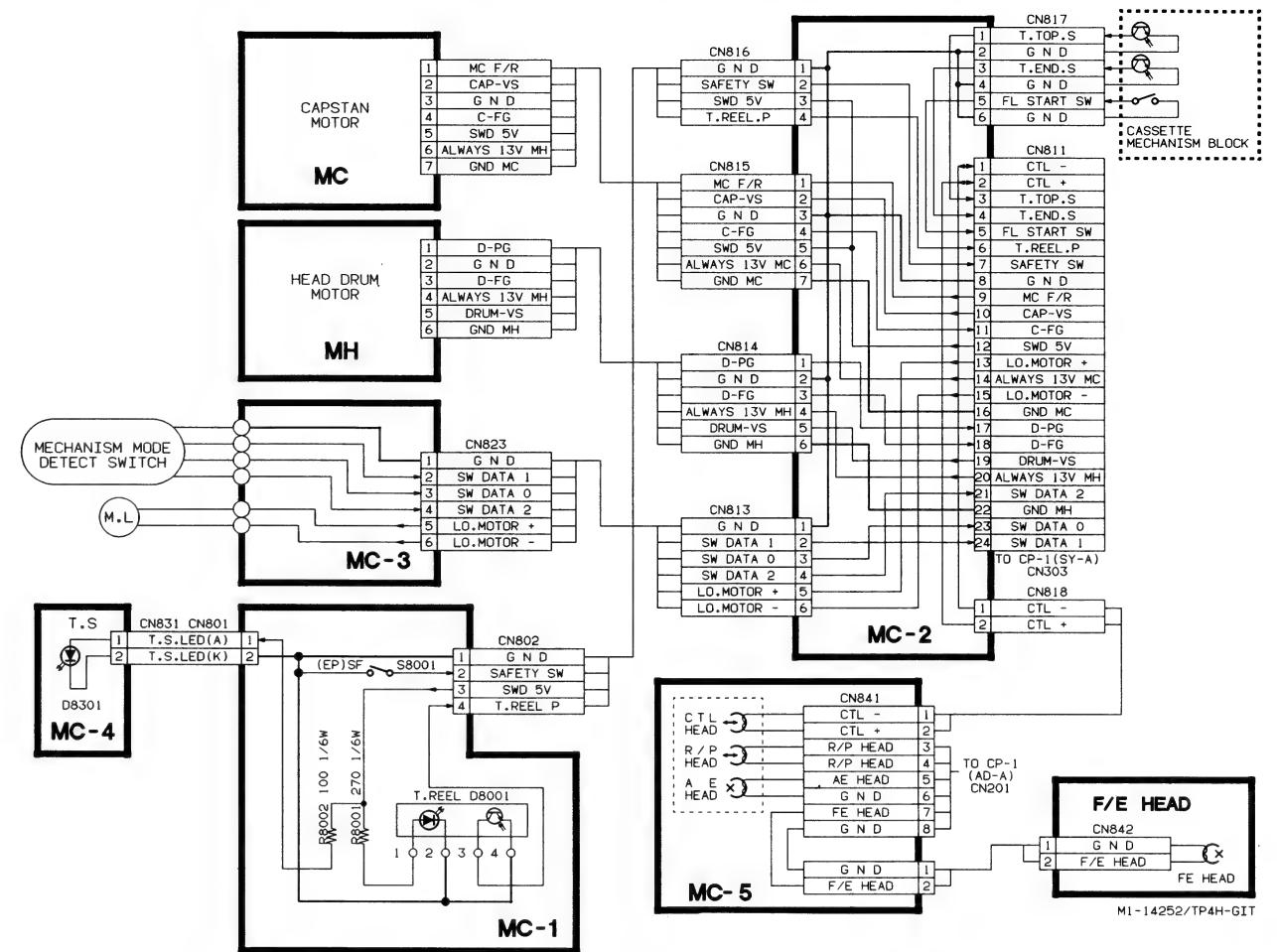


K DIAGRAMS

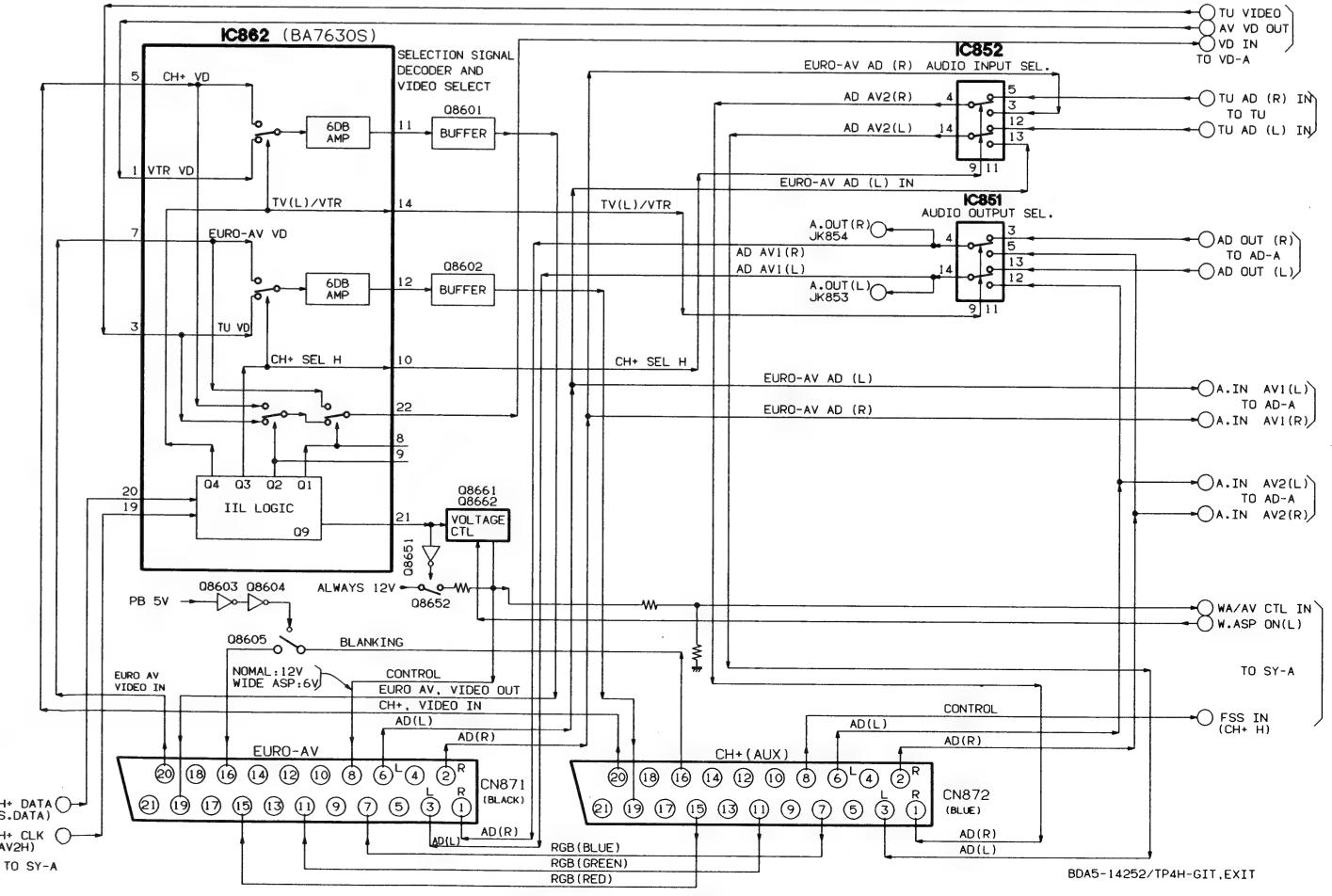
1-1. OVERALL WIRING



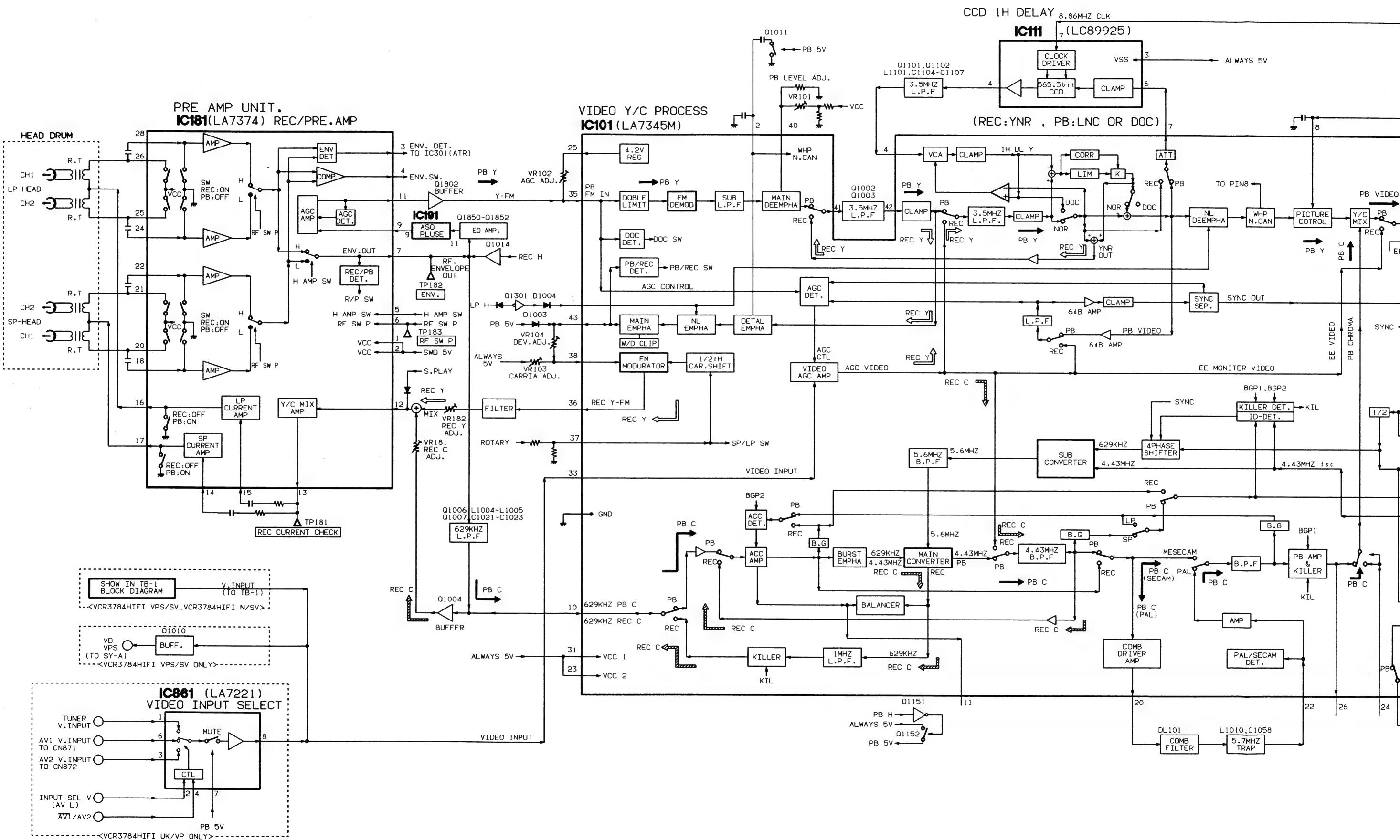
1-2. MECHANISM CONNECTION



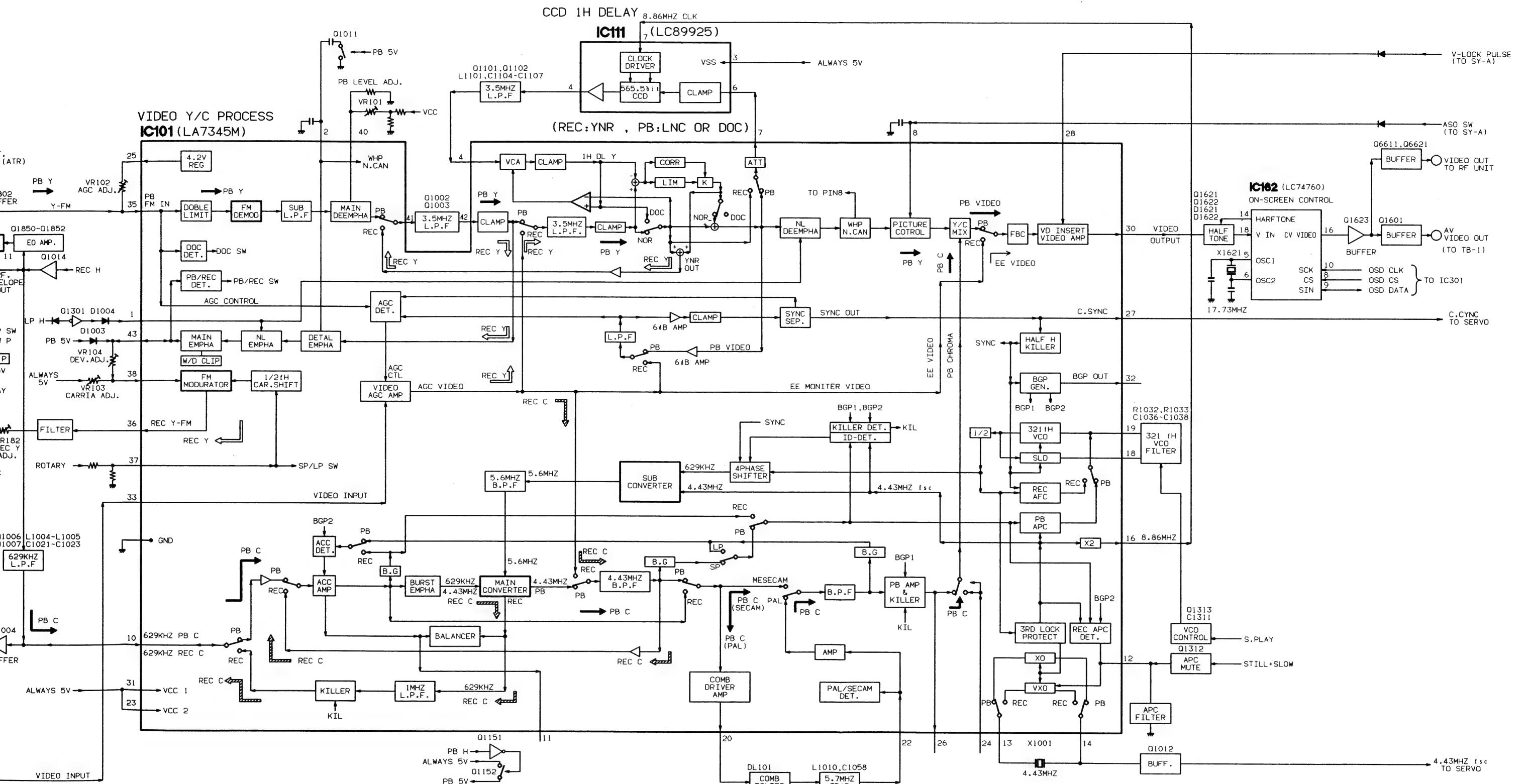
1-3. TERMINAL & INPUT/OUTPUT SELECTOR CIRCUIT (VCR 3784 HIFI VPS/SV & VCR 3784 HIFI N/SV)



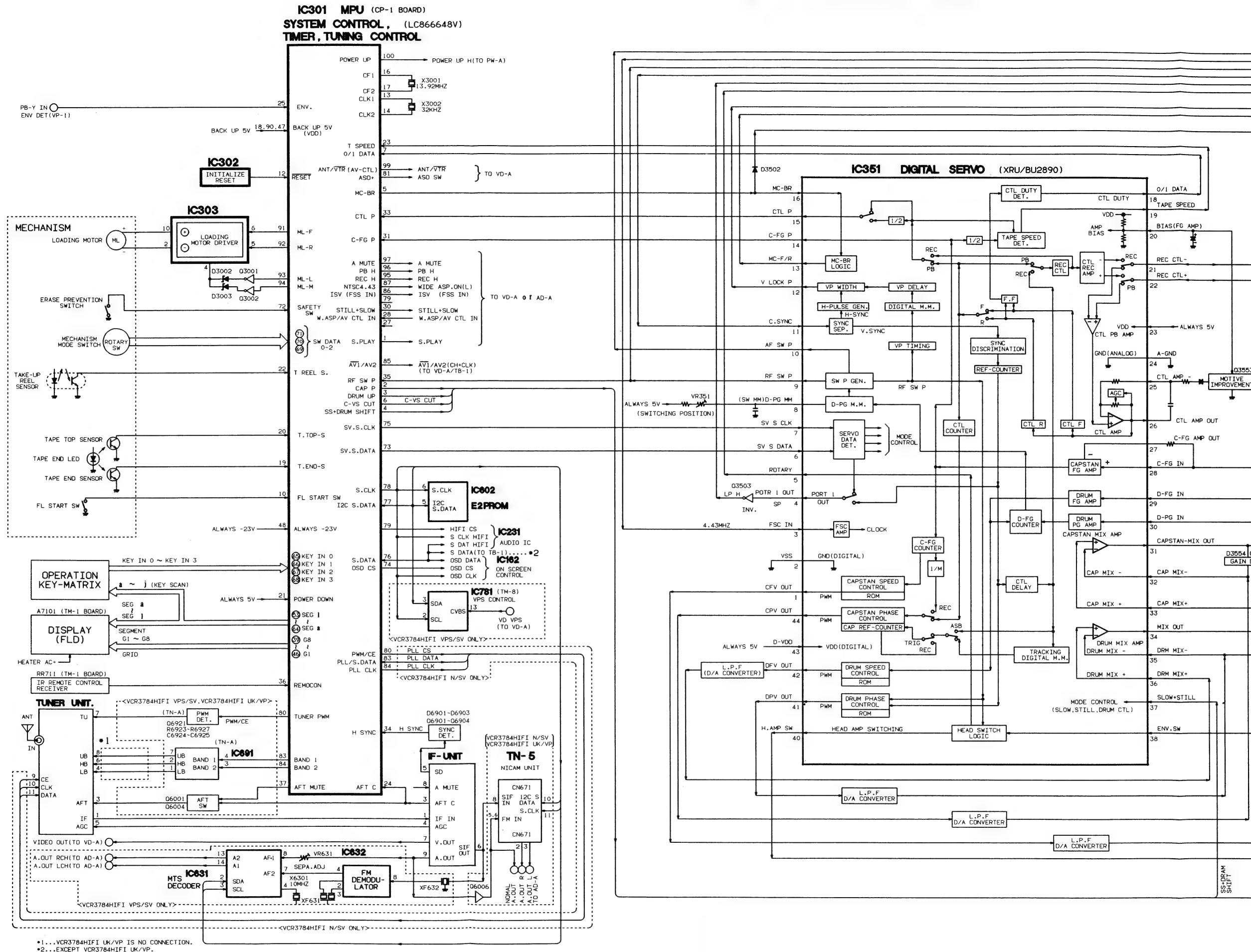
1-4. VIDEO CIRCUIT



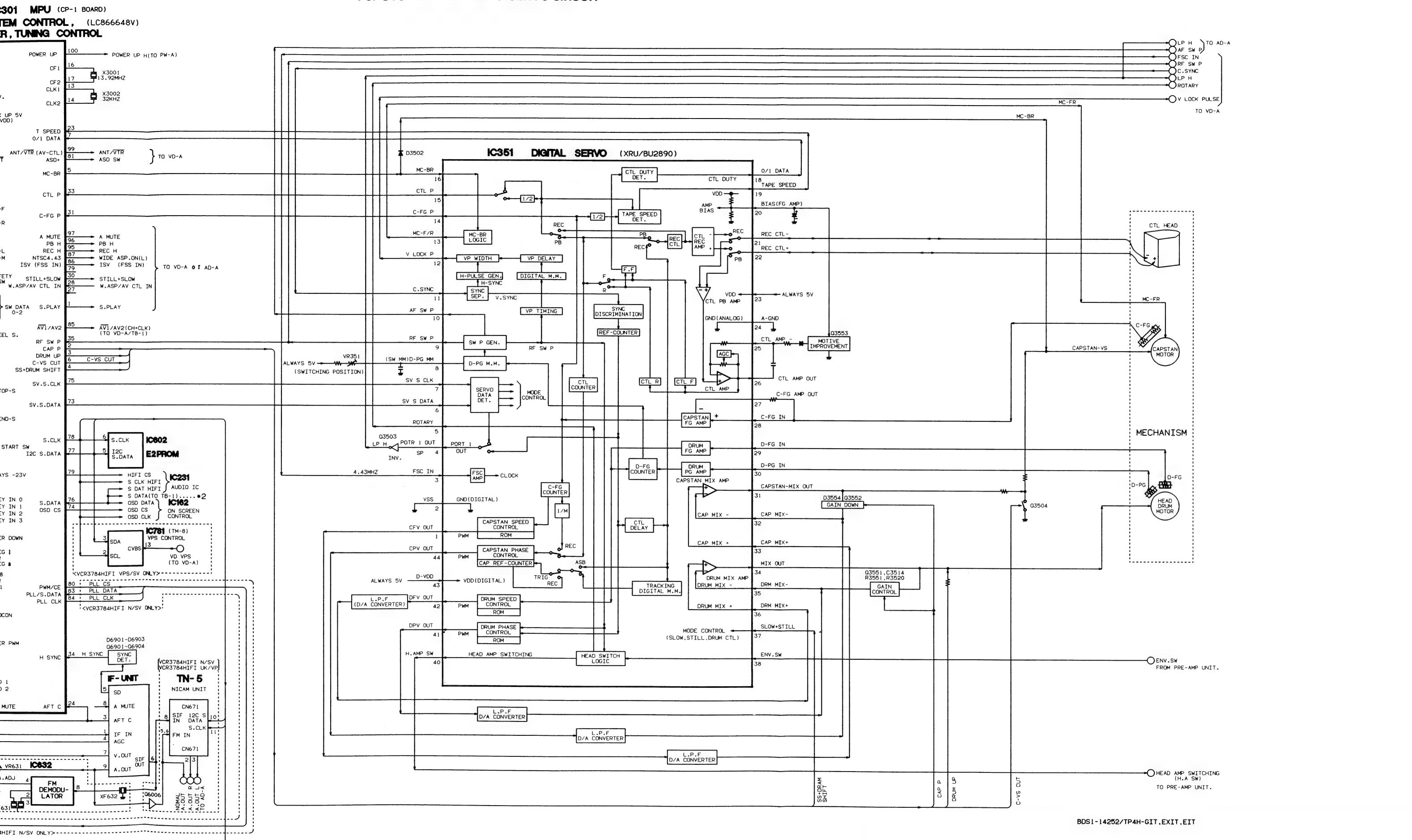
1-4. VIDEO CIRCUIT



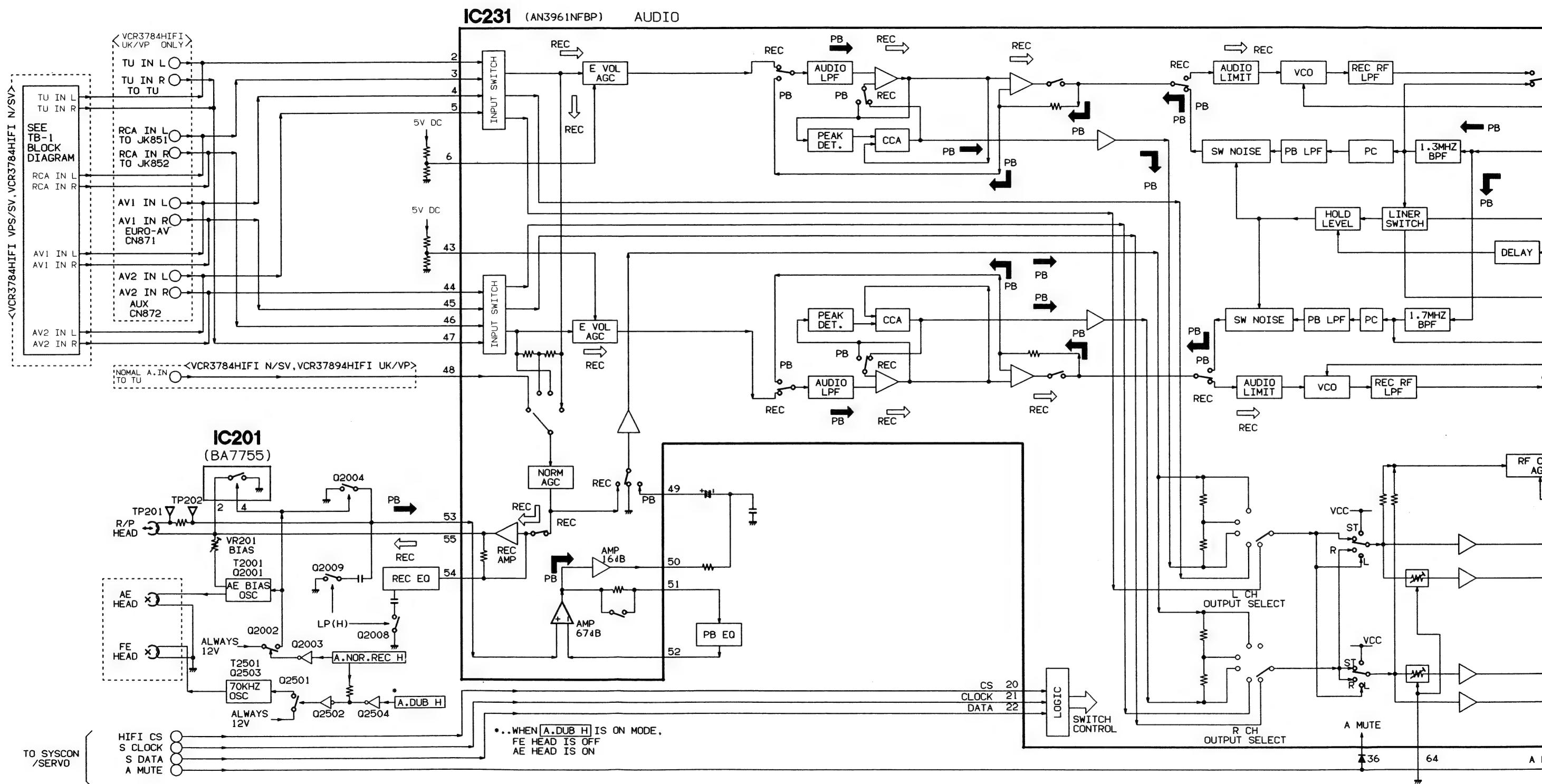
1-5. SYSTEM CONTROL & SERVO CIRCUIT



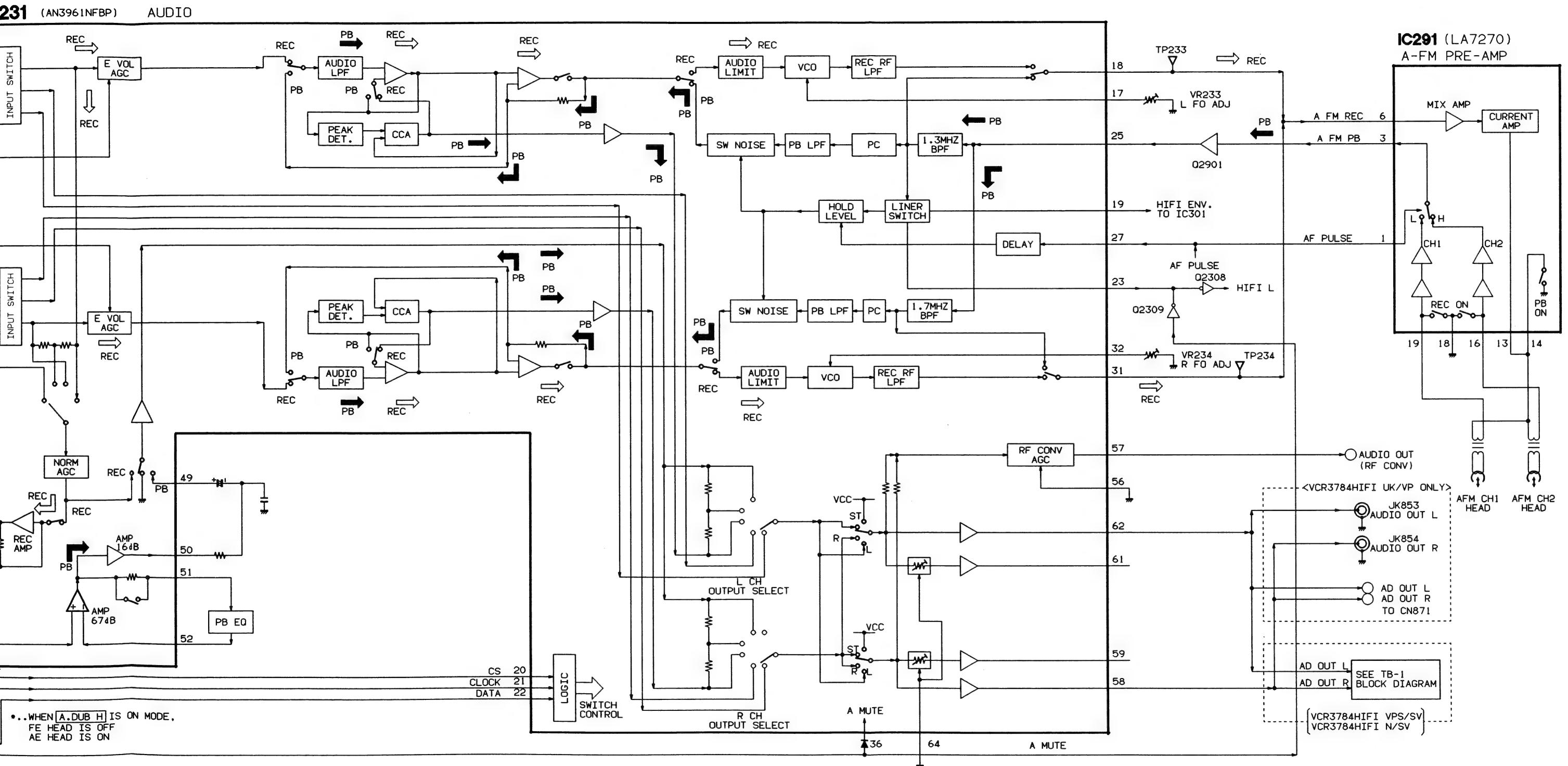
1-5. SYSTEM CONTROL & SERVO CIRCUIT



1-6. AUDIO CIRCUIT

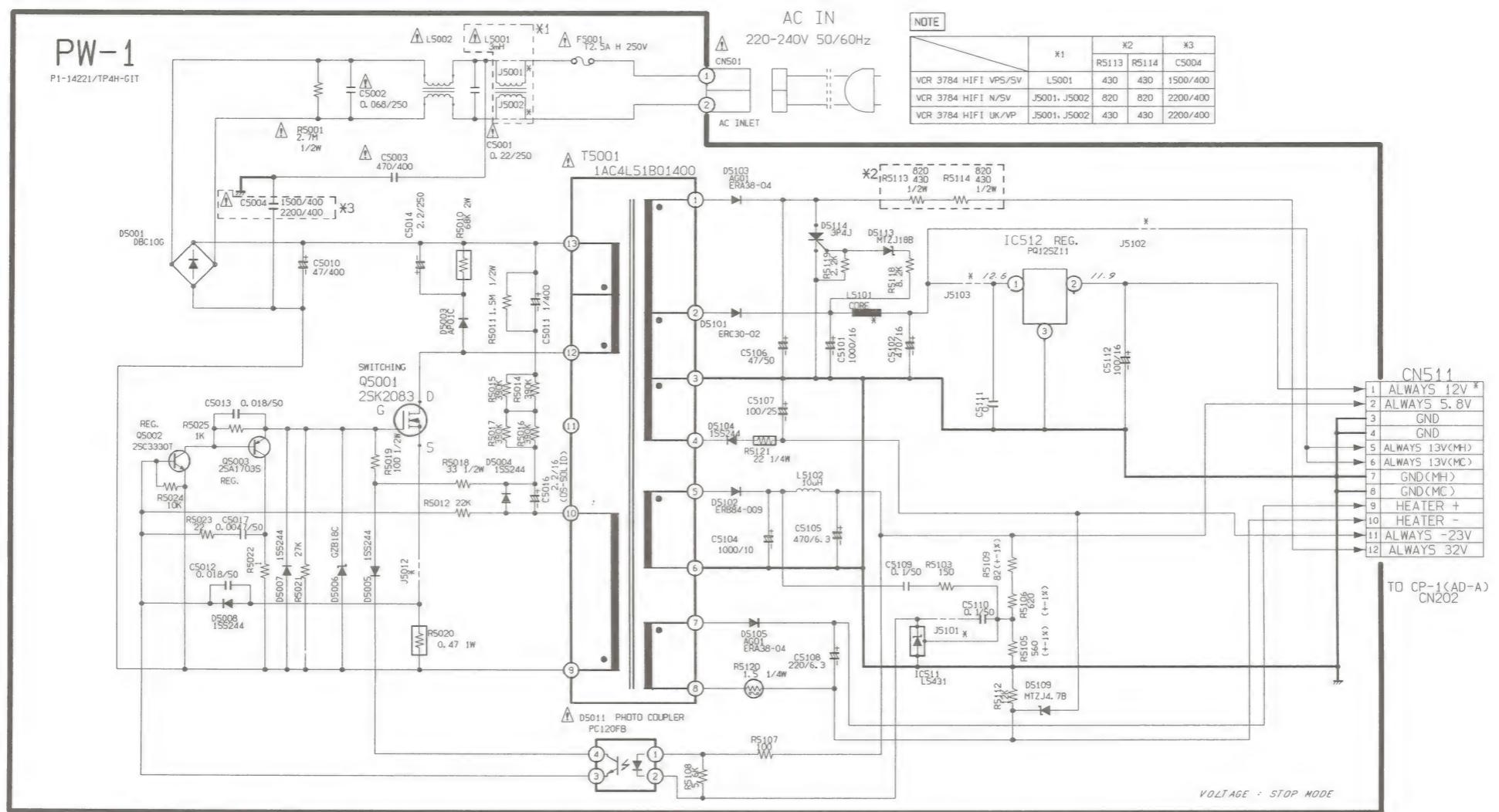


1-6. AUDIO CIRCUIT

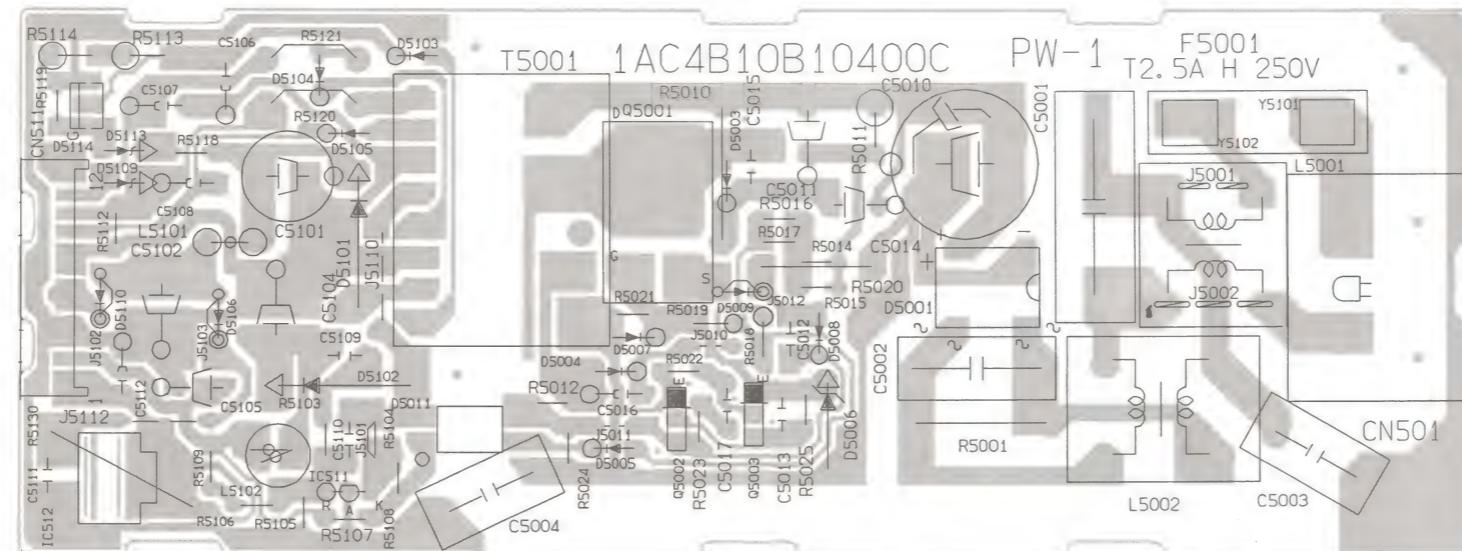


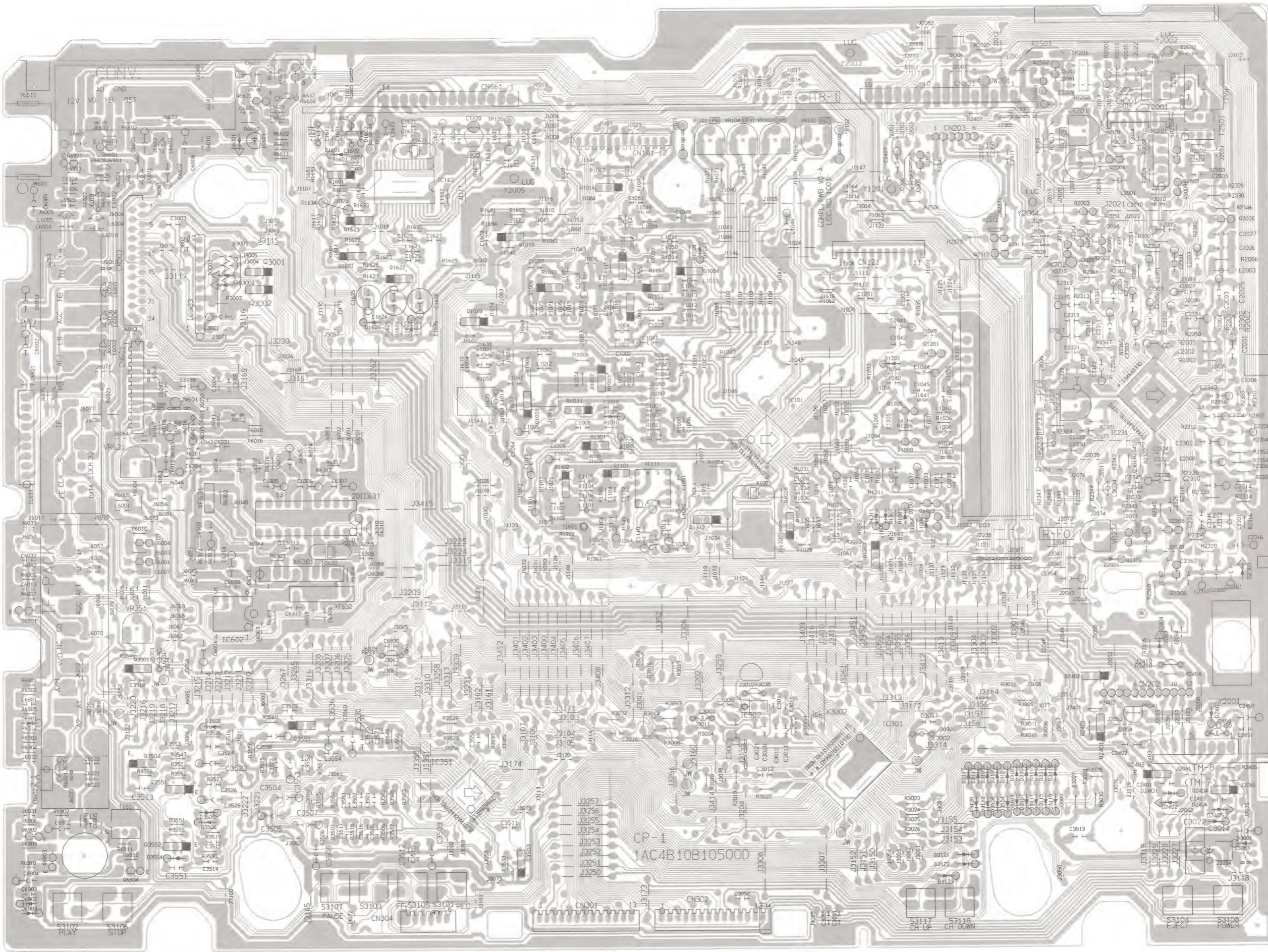
2. CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS (P.W.B.)

2-1. PW-1 BOARD POWER SUPPLY



2-2. PW-1 P.W.B.





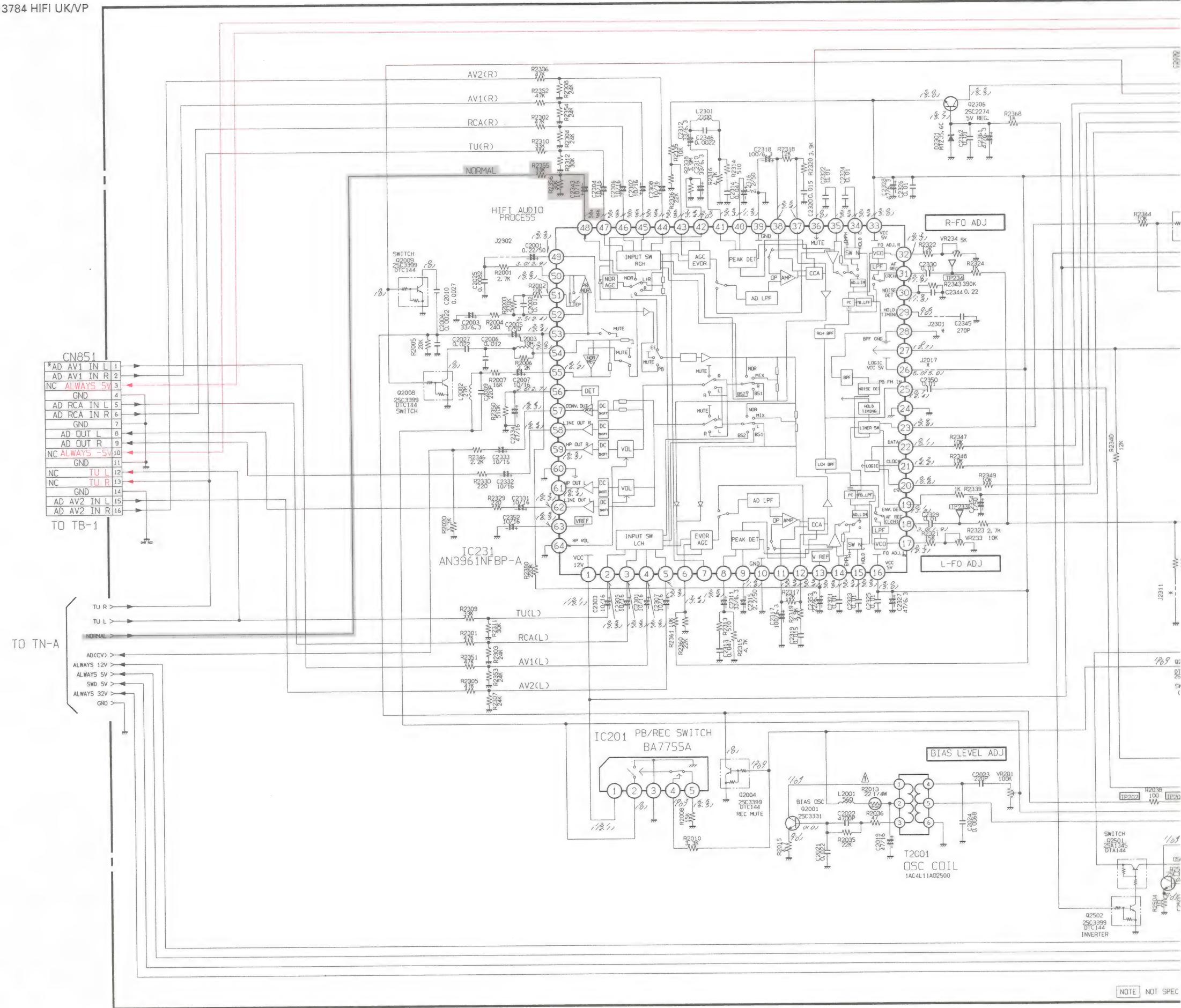
2-4. CP-1 BOARD (AD-A) AUDIO

NOTES :

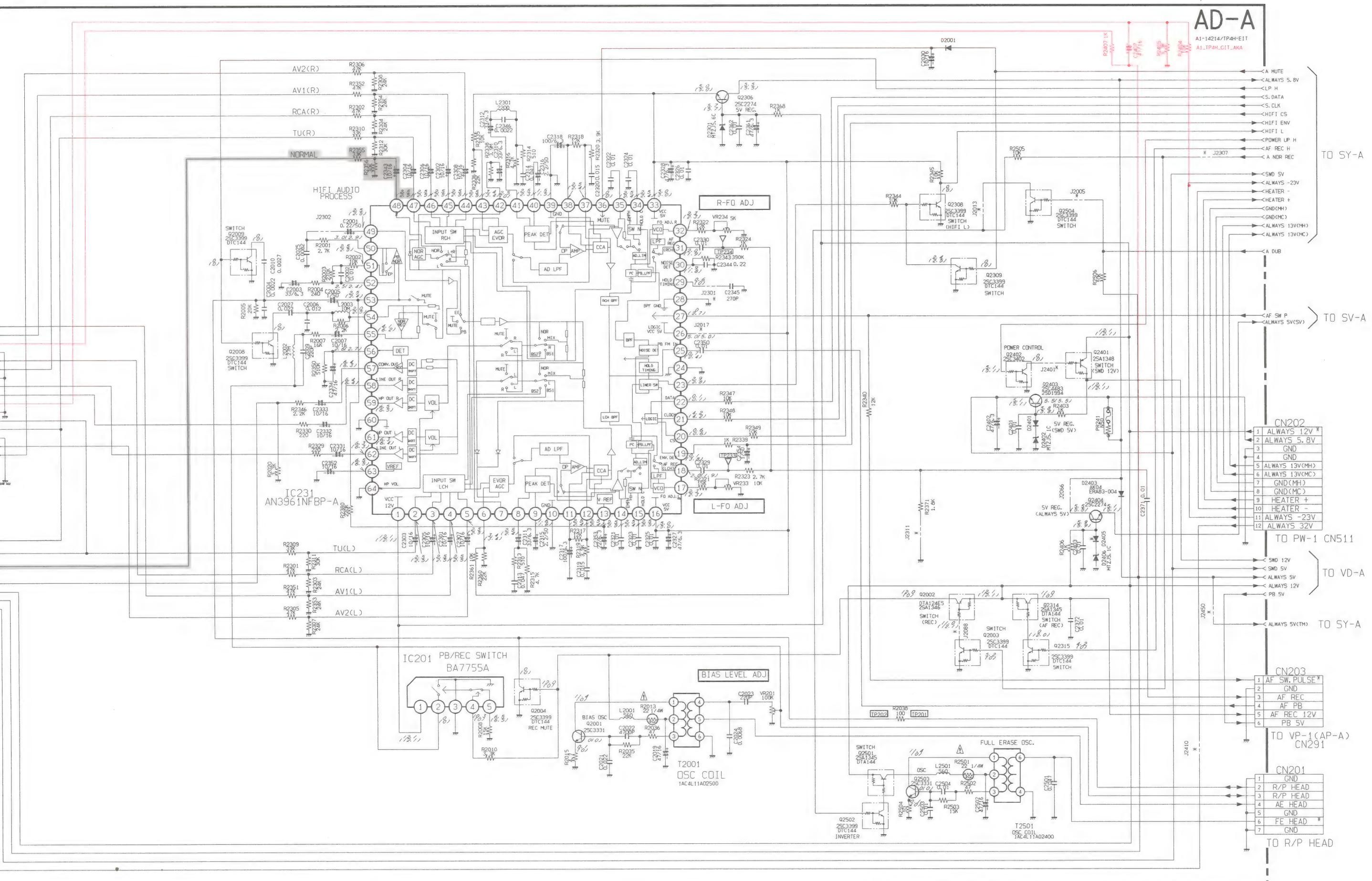
_____ : Common parts for VCR 3784 HIFI VPS/SV, VCR 3784 HIFI N/SV & VCR 3784 HIFI UK/VP

_____ : The parts for VCR 3784 HIFI VPS/SV & VCR 3784 HIFI N/SV

The parts marked  is VCR 3784 HIFI N/SV & VCR 3784 HIFI UK/VP



2-4. CP-1 BOARD (AD-A) AUDIO



NOTES :

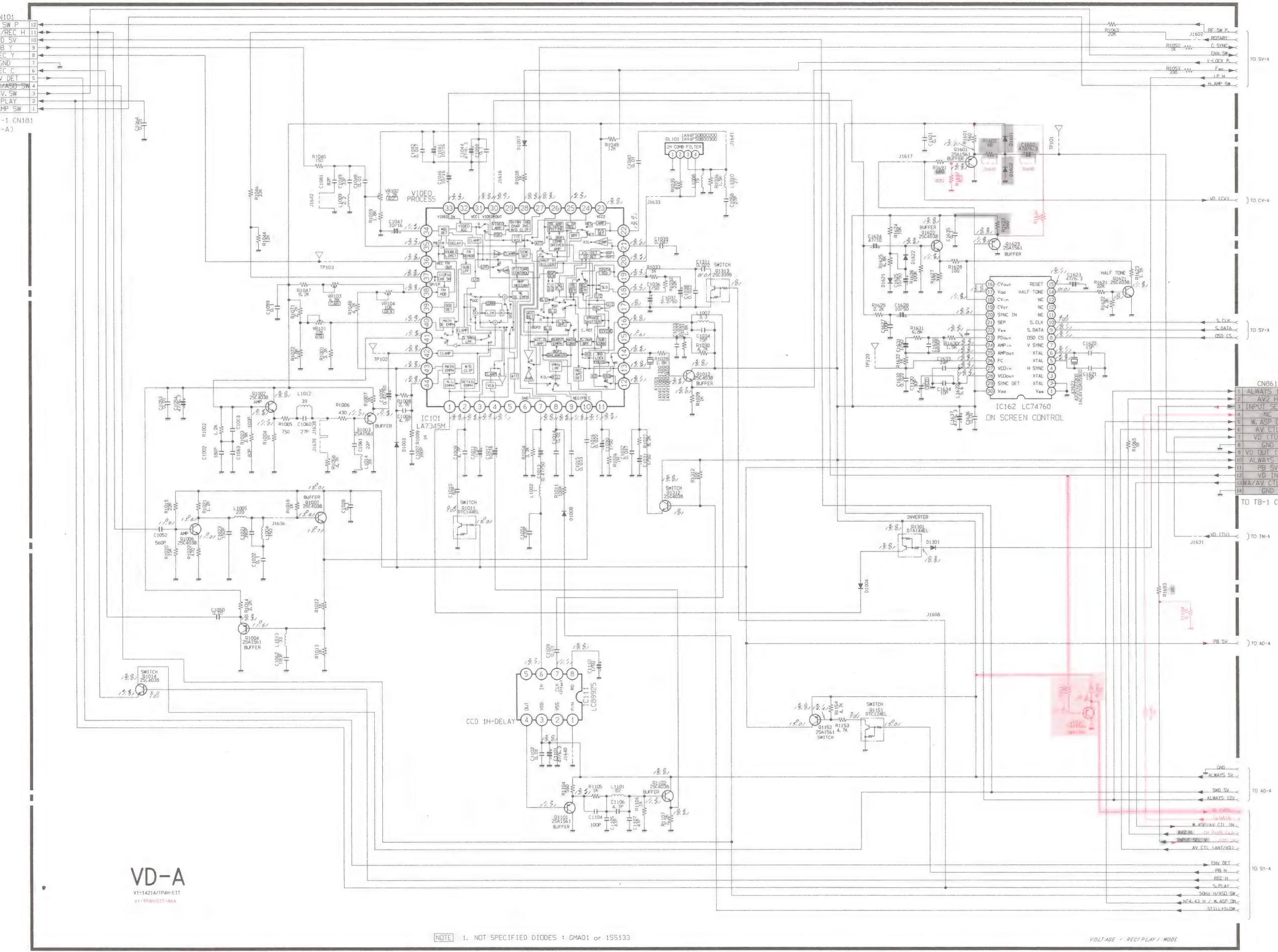
____ : Common parts for VCR 3784 HIFI VPS/SV, VCR 3784 HIFI N/SV & VCR 3784 HIFI UK/VP

_____ : The parts for VCR 3784 HIFI VPS/SV & VCR 3784 HIFI N/SV.

The parts marked  is VCR 3784 HIFI UK/VP only.
In VCR 3784 HIFI UK/VP only.

The parts marked  is VCR 3784 HIFI VPS/SV only.

2-5. CP-1 BOARD (VD-A) VIDEO



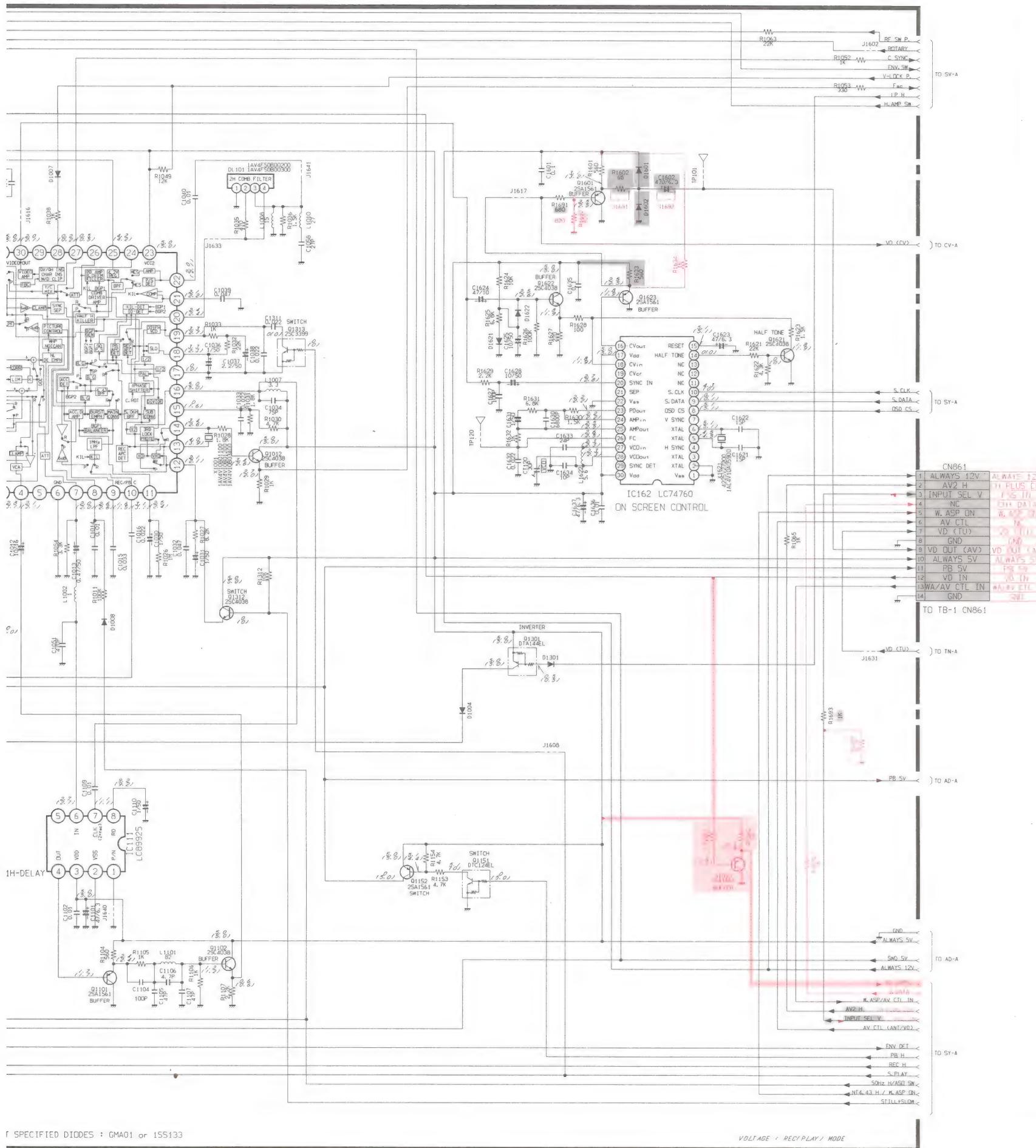
2-6. VIDEO CIR

TEST LOCATION
IC101 Pin 33 (VIDEO IN)
IC101 Pin 41
IC101 Pin 42
IC101 Pin 43
IC101 Pin 36 (REC FM OUT)
IC101 Pin 35 (PB FM IN)
IC101 Pin 41
IC101 Pin 42
IC101 Pin 7/4

2-7. ON SCREE

- Pin 5
(17.7MHz X-TAL)
- Pin 6
(17.7MHz X-TAL)
- Pin 14
(HALF TONE)
- Pin 16
(VIDEO OUT:
WITH ON SCREE
- Pin 14
(HALF TONE)
- Pin 18
(VIDEO IN)

2-5. CP-1 BOARD (VD-A) VIDEO



2-6. VIDEO CIRCUIT WAVEFORMS

WF-V-TP

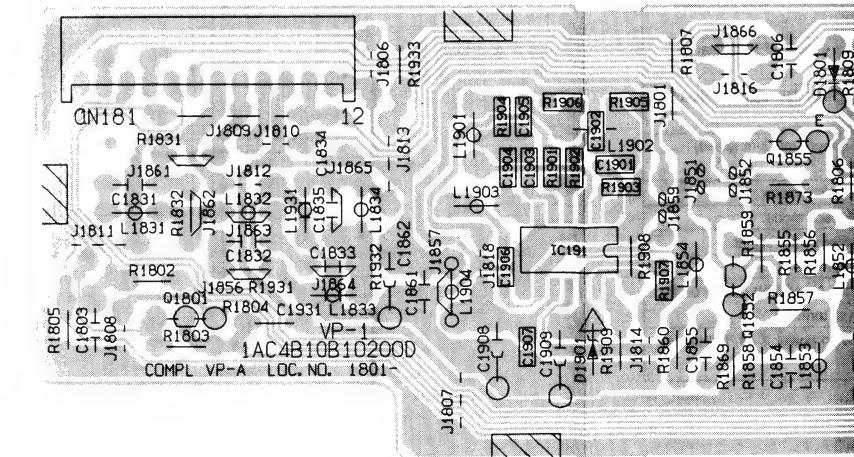
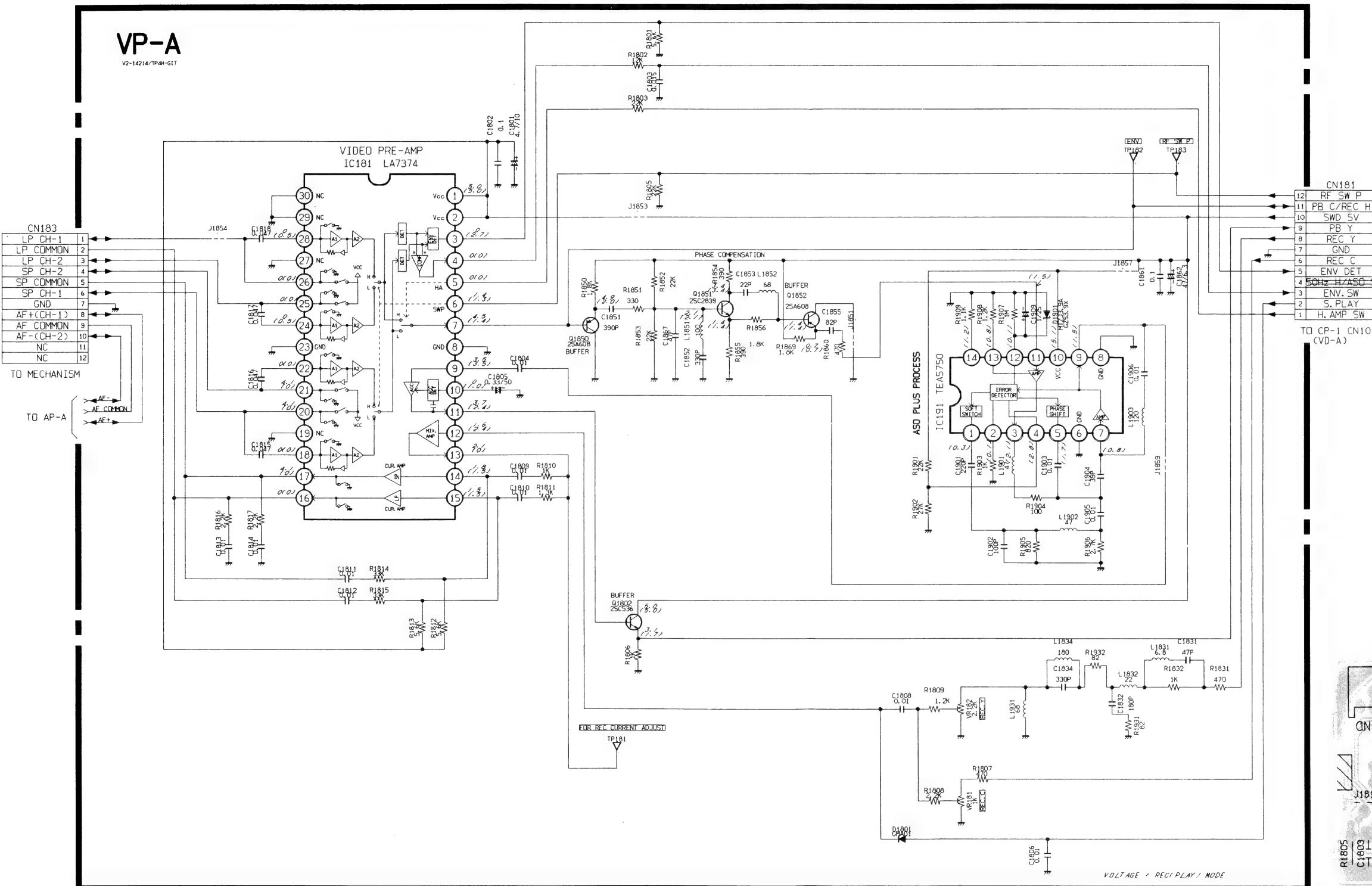
TEST LOCATION	WAVEFORM	MODE/LEVEL	TEST LOCATION	WAVEFORM	MODE/LEVEL
IC101 Pin 33 (VIDEO IN)		REC, EE 1 Vp-p	IC101 Pin 30 (VIDEO OUT)		PB 2.5 Vp-p
IC101 Pin 41		REC, EE 0.6 Vp-p	IC101 Pin 30 (VIDEO OUT)		REC, EE 2 Vp-p
IC101 Pin 42		REC, EE 0.5 Vp-p	IC101 (UPPER) Pin 30 (LOWER) Pin 28		STILL (UPPER) 2 Vp-p (LOWER) 5 Vp-p
IC101 Pin 43		REC, EE 1.2 Vp-p	IC101 Pin 10 (REC CHROMA OUT)		REC, EE 0.4 Vp-p
IC101 Pin 36 (REC FM OUT)		REC, EE 1.0 Vp-p	Q1006 Base (PB CHROMA)		PB 0.3 Vp-p
IC101 Pin 35 (PB FM IN)		PB 0.3 Vp-p	Q1007 Emitter (PB CHROMA)		PB 0.2 Vp-p
IC101 Pin 41		PB 0.5 Vp-p	IC101 Pin 10 (PB CHROMA IN)		PB 0.2 Vp-p
IC101 Pin 42		PB 0.5 Vp-p	IC101 Pin 20		PB 1.0 Vp-p
IC101 Pin 7/4		PB 0.3 Vp-p	IC101 Pin 26		PB 0.6 Vp-p

2-7. ON SCREEN (IC162) WAVEFORMS

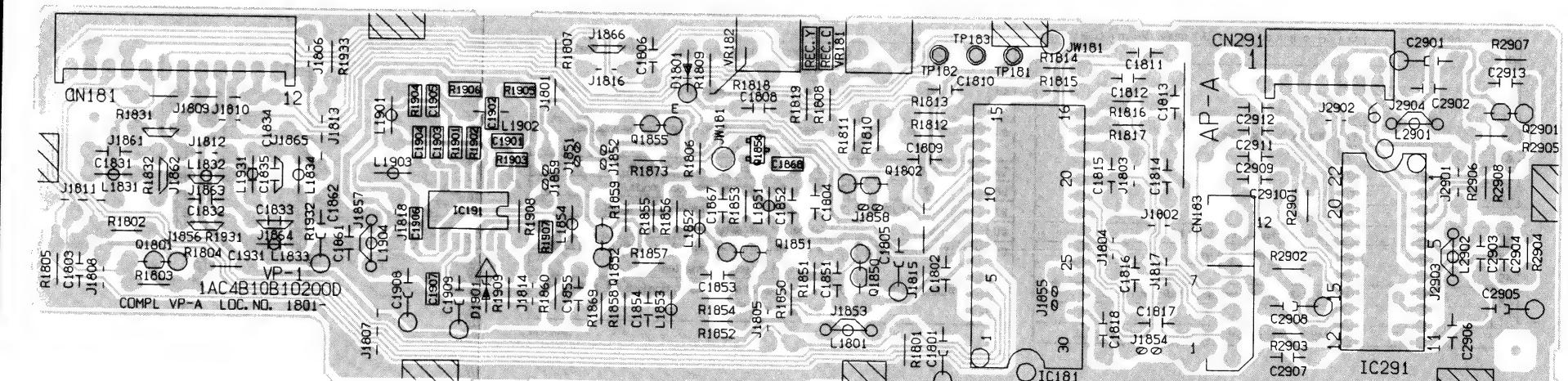
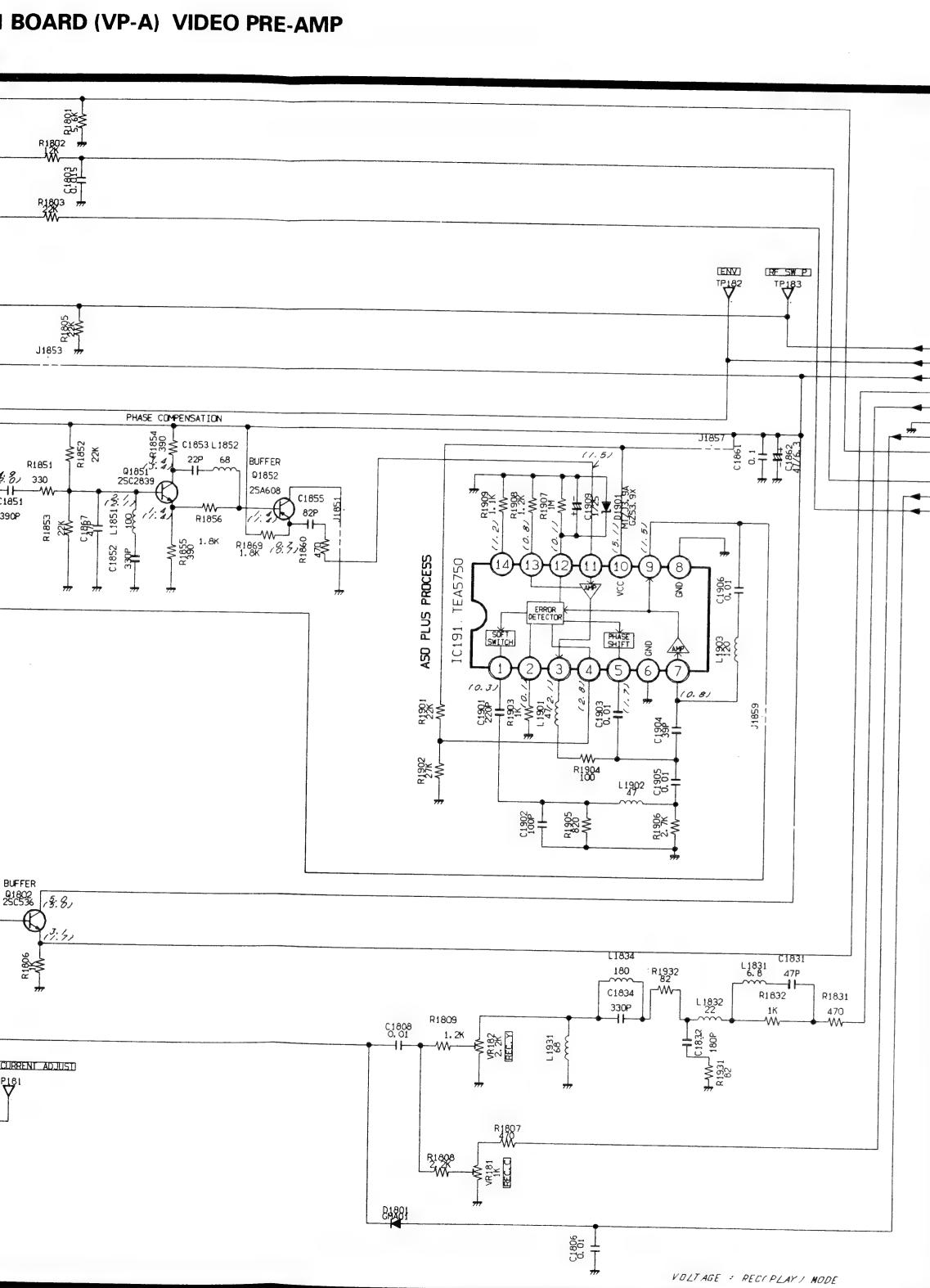
TEST LOCATION	WAVEFORM	LEVEL	TEST LOCATION	WAVEFORM	LEVEL
Pin 5 (17.7MHz X-TAL)		2Vp-p	Pin 19 (CV cr)		2Vp-p
Pin 6 (17.7MHz X-TAL)		3Vp-p			
Pin 14 (HALF TONE)		5Vp-p			
Pin 16 (VIDEO OUT: WITH ON SCREEN)		2Vp-p	Pin 20 (SYNC IN)		2Vp-p
Pin 14 (HALF TONE)		5Vp-p	Pin 23 (PD OUT)		4.5Vp-p
Pin 18 (VIDEO IN)		2Vp-p	Pin 16 (VIDEO OUT)		2Vp-p

† SPECIFIED DIODES : GMA01 or 1SS133

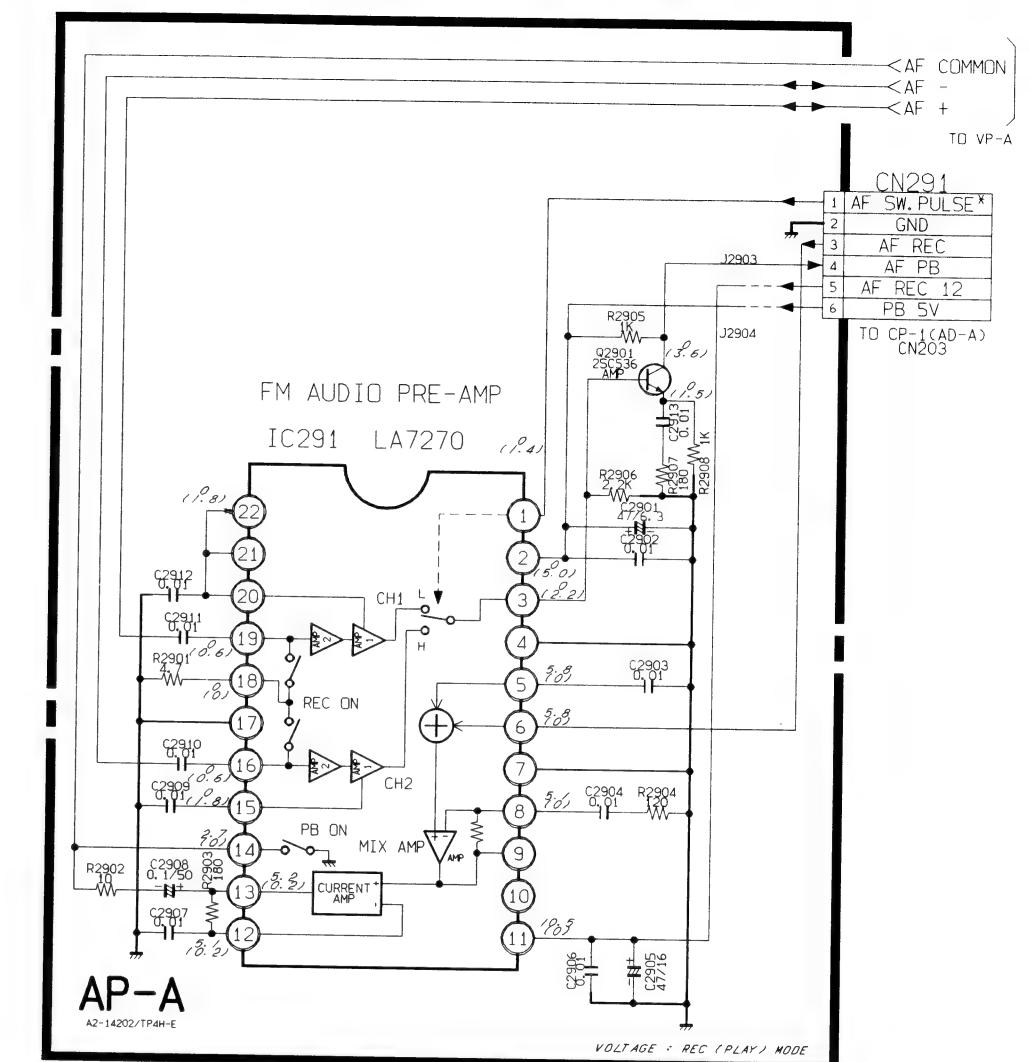
2-8. VP-1 BOARD (VP-A) VIDEO PRE-AMP



2-10. VP-1 BOARD (AP-A) AUDIO PRE-AMP



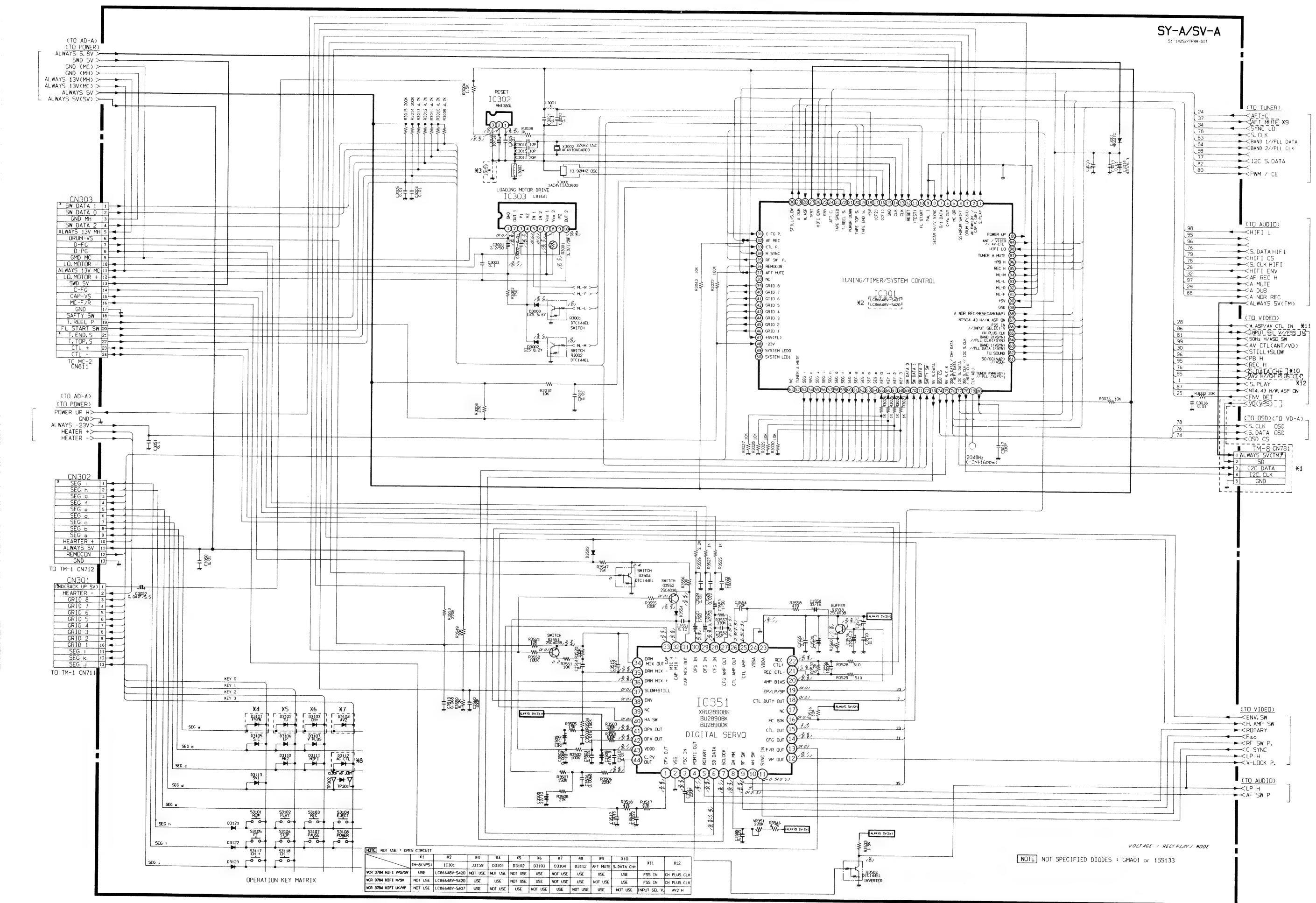
2-9. VP-1 P.W.B



2-11. IC301 SYSTEM CONTROL, TIMER, & TUNING CONTROL MPU PIN FUNCTIONS TABLE

No.	Name	I/O	I/O Signal Function	No.	Name	I/O	I/O Signal Function
1	S - PLAY	O	Signal for indicating CUE , REV , STILL, and SLOW modes.	53	SEG† I	O	
2	4k - PWM	O	Output 4kHz PWM signal for set period at start of high-speed FF / REW. (For 2 Head model)	54	SEG †k	O	
	CAP P.	O	Gain down control for Head Motor Amplifier at SLOW mode. (For 4 Head model)	55	SEG †j	O	
3	DRUM UP	O	Head drum motor rotation speed - up signal.	56	SEG †i	O	
4	SS + DRUM SHIFT	O	Signal for indicating SLOW/STILL modes and alternation of drum motor control data. (3 value voltage)	57	SEG h	O	
5	MC - BR	O	Brake signal for capstan motor.	58	SEG g	O	
6	C - Vs CUT	O	Cut off for capstan motor control voltage in SLOW / STILL modes.	59	SEG f	O	Display segment outputs (FLD). (Includes key-scan output)
7	0 / 1 DATA	I	CTL pulse duty detection signal input. Used for VISS detection.	60	SEG e	O	
8	V SYNC	I	V-sync input for TV system (50/60) discrimination.	61	SEG d	O	
9	PAL L	I	PAL-TV system indication signal input.	62	SEG c	O	
10	FL - START SW	I	Switch input indicating start of cassette loading or discharge by cassette mechanism.	63	SEG b	O	
11	-	-		64	SEG a	O	
12	RESET	I	Initial reset terminal for this IC.	65	KEY IN 0	I	
13	CLK	-	Clock OSC during power failures.	66	KEY IN 1	I	Operation key data inputs.
14	CLK	-	Frequency is 32kHz.	67	KEY IN 2	I	
15	VSS	-	Ground terminal	68	KEY IN 3	I	
16	CF1	-	IC clock OSC terminal.	69	SW DATA 0	I	
17	CF2	-	Frequency is 13.92MHz.	70	SW DATA 1	I	3-bit data indicating operation position of mechanism.
18	VDD	-	IC power supply terminal.(5Vdc)	71	SW DATA 2	I	
19	T. END S.	I	Sensor signal input for tape end detection.	72	SAFETY SW	I	Terminal for accidental erasure prevention switch. No operation to recording mode while "LOW" is input.
20	T. TOP S.	I	Sensor signal input for tape beginning detection.	73	SV S. DATA	O	Output 8-bit X 4 serial data giving operation mode and tracking data,etc., to digital servo IC.
21	POWER DOWN	I	Power failure detection terminal.	74	OSD CS	O	Chip enable (access) signal output to OSD IC.
22	T. REEL S.	I	Pulse input for detection of take-up reel table rotation.	75	SV S CLK	O	The clock pulse for digital servo IC.
23	TAPE SPEED	I	Input of result of tape speed discrimination by digital servo IC.	76	COMMON DATA	I/O	Terminal for communication of respective data with OSD IC, audio IC, and CH+ I/O selection IC.
24	AFT- C	I	Tuner AFT s-curve signal input for tuner AFT function.	77	I2C SDA	I/O	Data exchange with tuning data memory (I2C) IC.
25	ENV.	I	Video head envelope detection signal input for ATR function.	78	COMMON CLK	O	The clock pulse for OSD IC, I2C IC, and audio IC.
26	Hi-Fi ENV.	I	Audio head envelope detection signal for ATR .	79	CLK ADJ	-	1024 Hz signal for clock time adjustment.
27	-	-		80	PLL CS	O	Chip enable signal output to PLL tuning system IC. (F-syn model)
28	WIDE ASPECT IN	I	Wide aspect video system indication signal input.		PWM	O	Tuning voltage output (PWM signal). (V-syn model)
29	A DUB	O	Signal for disable the full erase oscillation.	81	ASO +	O	Video picture quality selection signal.
30	SLOW + STILL	O	SLOW or STILL modes indication signal.	82	TU SOUND	O	TV sound system (I/BG, I/DK etc.) indication.
31	C - FG P.	I	FG signal input of capstan motor.	83	PLL†DATA	O	Data exchange with PLL tuning system IC. (For F-syn)
32	AF REC	O	Signal for indicate the recording start of audio signal at insert mode.		BAND 1	O	Tuning band data output (BAND 1/BAND 2).
33	CTL P.	I	CTL head recording / playback pulse signal input.	84	BAND 2	O	(L,L)=VHF-LOW (L,H)=VHF-HIGH (H,L)=UHF (H,H)=SKIP.† (For V-syn. model)
34	H SYNC (LEVEL)	I	Sync. detect signal input for existing channel discrimination.		PLL†CLK	O	The clock pulse for PLL tuning system IC. (For F-syn)
35	RF SW P.	I	Input of RF switching pulse created by head drum PG.	85	CH PLUS CLK	O	The clock pulse for CH+ input/output selection IC. (For CH+ model only)
36	REMOCON	I	Remote control signal input.		AV 1 / AV 2	O	External input source (AV 1/2) selection signal.
37	AFT MUTE	O	"H" output during TU AFT mute. (V-syn model only)	86	INPUT SEL. V	O	Video input source (TU/AV) selection signal.
38	-	-			FSS IN	I	CH + mode indication signal. (For CH+ model only)
39	G8	O		87	WIDE ASPECT ON	O	Video wide aspect system selection signal.
40	G7	O		88	A NOR REC	O	Signal for indicate the full erase oscillation.
41	G6	O		89	VSS	-	IC ground terminal.
42	G5	O		90	VDD	-	IC power supply input.(5Vdc)
43	G4	O		91	ML- F	O	Loading motor rotation direction (FWD) indication signal.
45	G2	O		92	ML- R	O	Loading motor rotation direction (REV) indication signal.
46	G1	O		93	ML- L	O	Loading motor rotation speed (low speed) indication signal.
47	VDD	-	IC power supply input.(5Vdc)	94	ML- M	O	Loading motor rotation speed (medium speed) indication signal.
48	V LOAD	O	-23V input for FLD drive.	95	REC H	O	Signal for indicating recording mode.
49	-	-		96	PB H	O	Signal for indicating playback mode.
50	SECAM	O	SECAM processing mode indication signal.	97	TUNER A MUTE	O	Signal for disable the tuner audio signal.
51	-	-		98	HIFI LO	I	Signal for indicating Hi-Fi mode.
52	MESECAM	O	MESECAM processing mode indication signal.	99	AV CTL or ANT/VTR	O	AV terminal (pin8 of 21pin AV socket) control or the ANT/VTR selection signal terminal.
				100	POWER UP	O	"HIGH" output except when power is off. Indicating that power is ON.

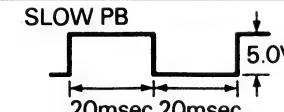
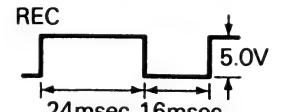
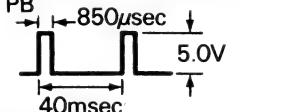
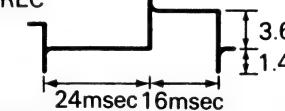
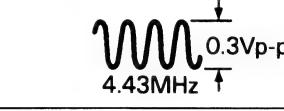
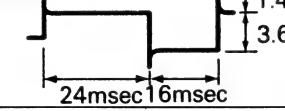
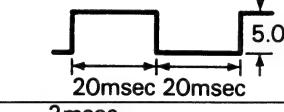
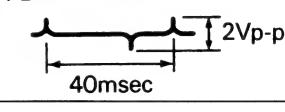
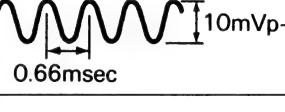
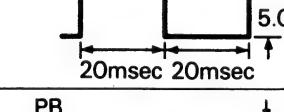
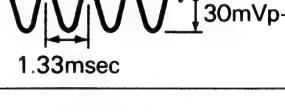
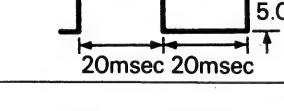
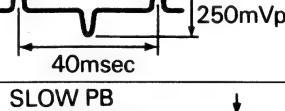
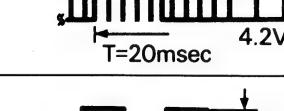
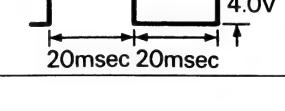
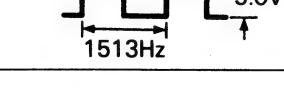
2-12. CP-1 BOARD (SY-A, SV-A) SYSTEM CONTROL & SERVO



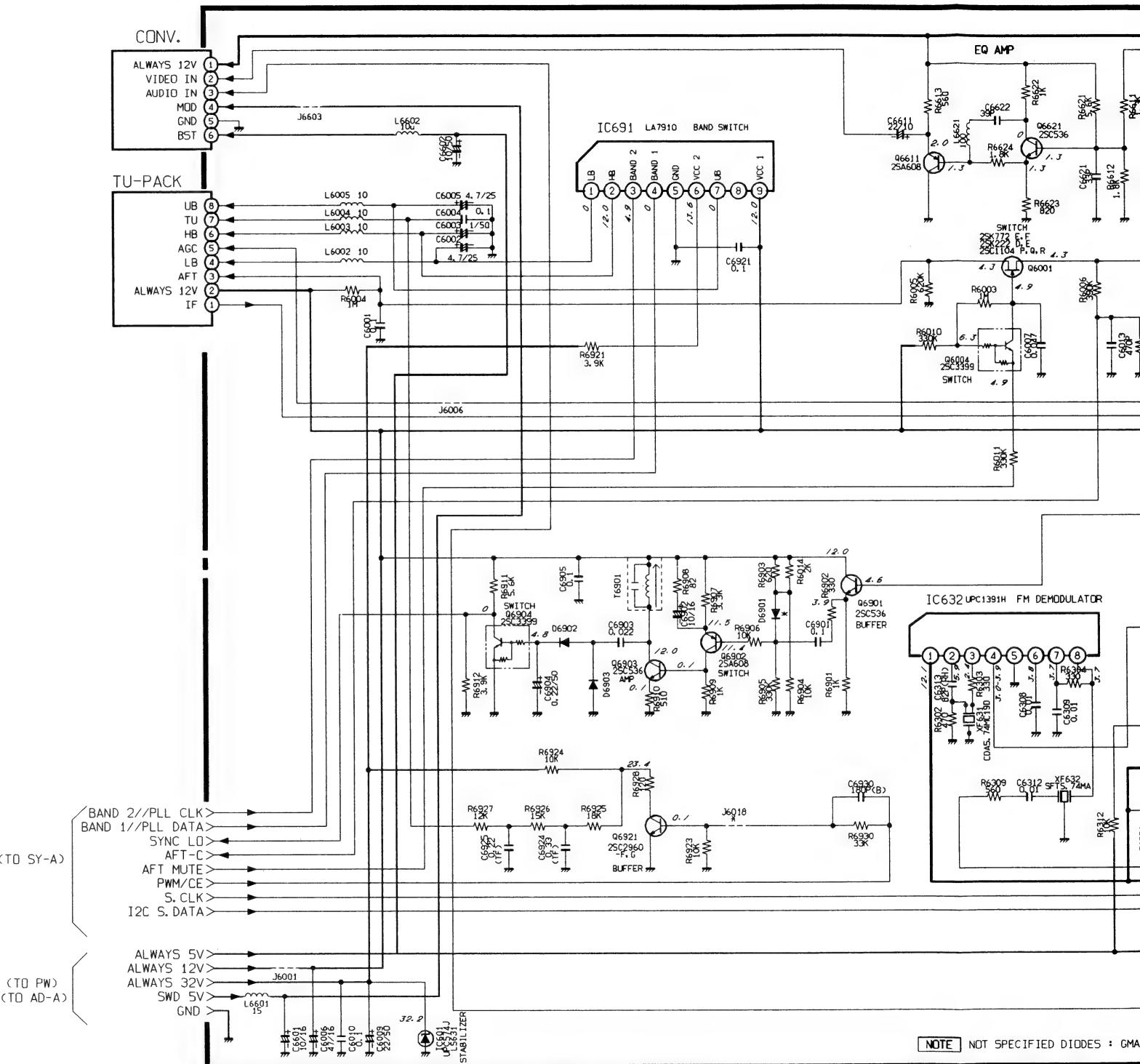
2-14. CP-1 BOARD (TN-A, CV-A) TUNER IF, RF CONVERTER CONNECTION, & STEREO

Note: The TN-A circuit diagrams for the model VCR 3784 HIFI N/SV
The TN-A circuit diagrams for the model VCR 3784 HIFI UK/V

2-13. SERVO CIRCUIT WAVEFORMS (IC351: XRU2890 Series)

TEST LOCATION	WAVEFORM & MODE/LEVEL	TEST LOCATION	WAVEFORM & MODE/LEVEL
Pin 40 (H.A.SWITCHING)		Pin 15 (CTL PULSE)	
Pin 42 (PWM)		Pin 15 (CTL PULSE)	
Pin 41, 44, 1 (PWM)		Pin 21 (CTL HEAD-)	
Pin 3 (FSC INPUT)		Pin 22 (CTL HEAD+)	
Pin 5 (ROTARY)		Pin 26 (CTL AMP OUT)	
Pin 8 (D-PG MM)		Pin 28 (C-FG INPUT)	
Pin 9 (RF SW PULSE)		Pin 29 (D-FG INPUT)	
Pin 10 (AF SW PULSE)		Pin 30 (D-PG INPUT)	
Pin 11 (COMPOSITE SYNC INPUT)		Pin 38 (ENV.SW INPUT)	
Pin 14 (C-FG PULSE)			

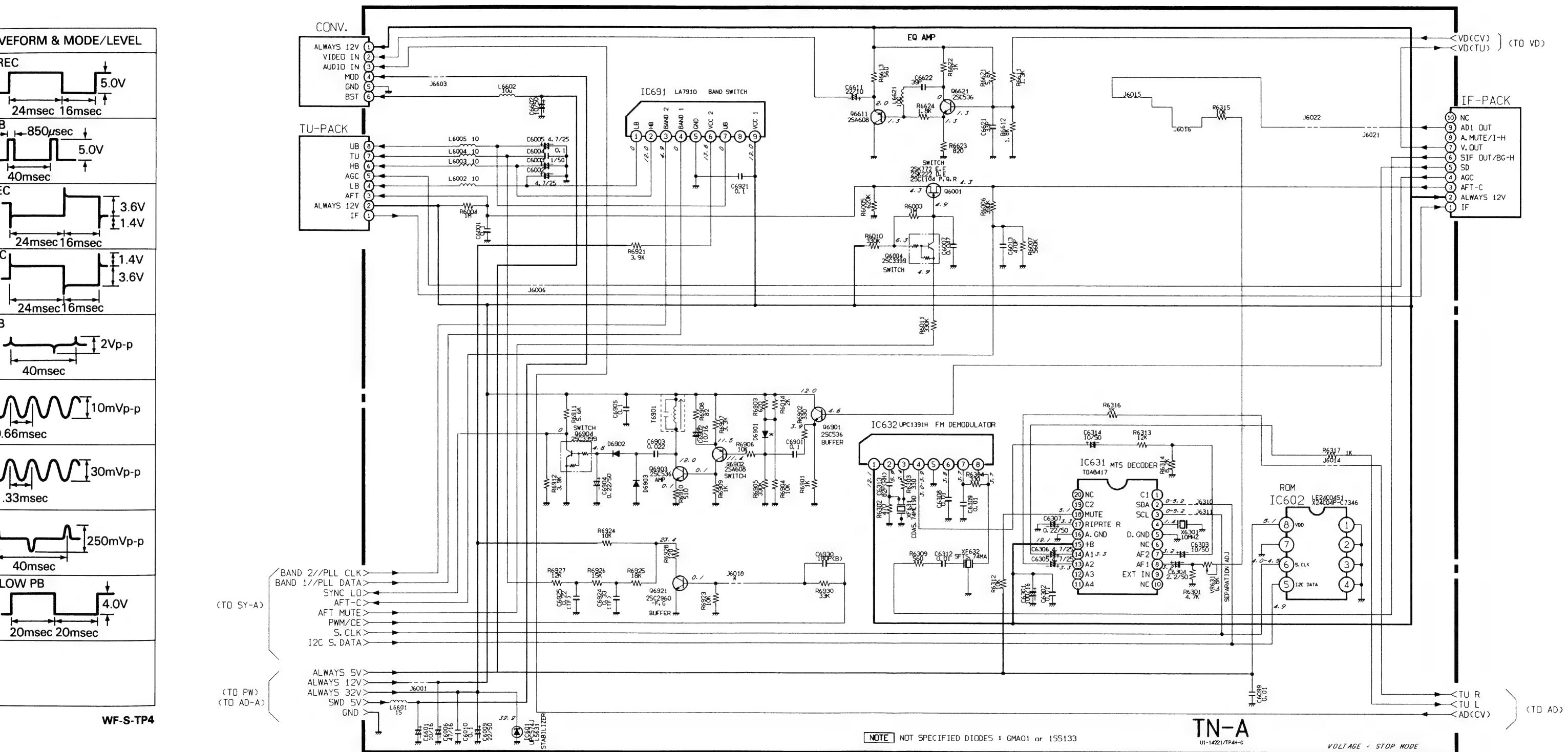
WF-S-TP4



2-14. CP-1 BOARD (TN-A, CV-A) TUNER IF, RF CONVERTER CONNECTION, & STEREO (MTS) DECODER (VCR 3784 HIFI VPS/SV)

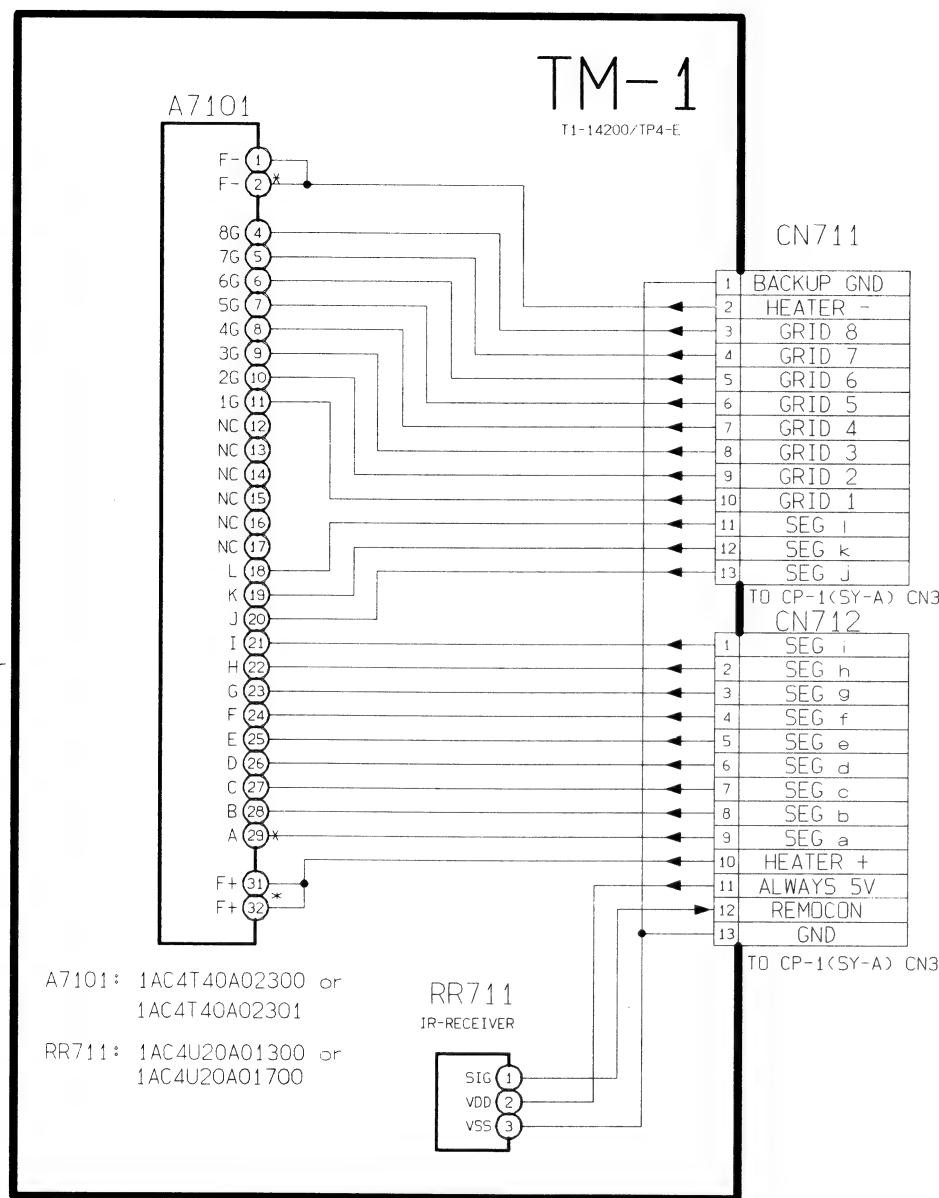
Note: The TN-A circuit diagrams for the model VCR 3784 HIFI N/SV is shown in page 45.

The TN-A circuit diagrams for the model VCR 3784 HIFI UK/VP is shown in page 47.

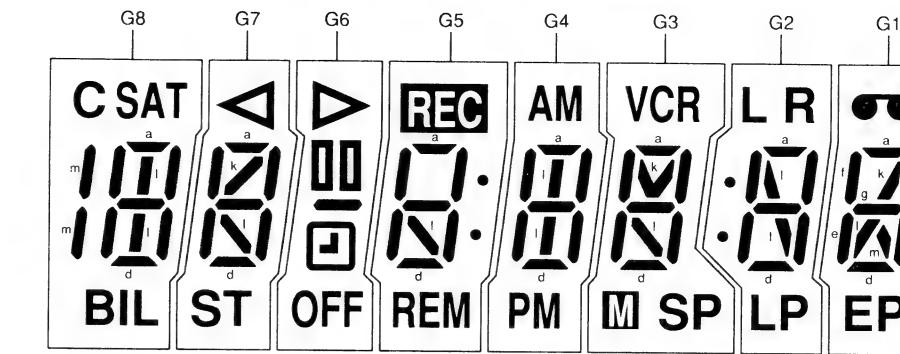


2-17. A7101 DISPLAY (FLD) GRID/ANODE ASSIGNMENT DRAWING & TABLE

2-15. TM-1 BOARD DISPLAY (FLD)



GRID & SEGMENT ASSIGNMENT

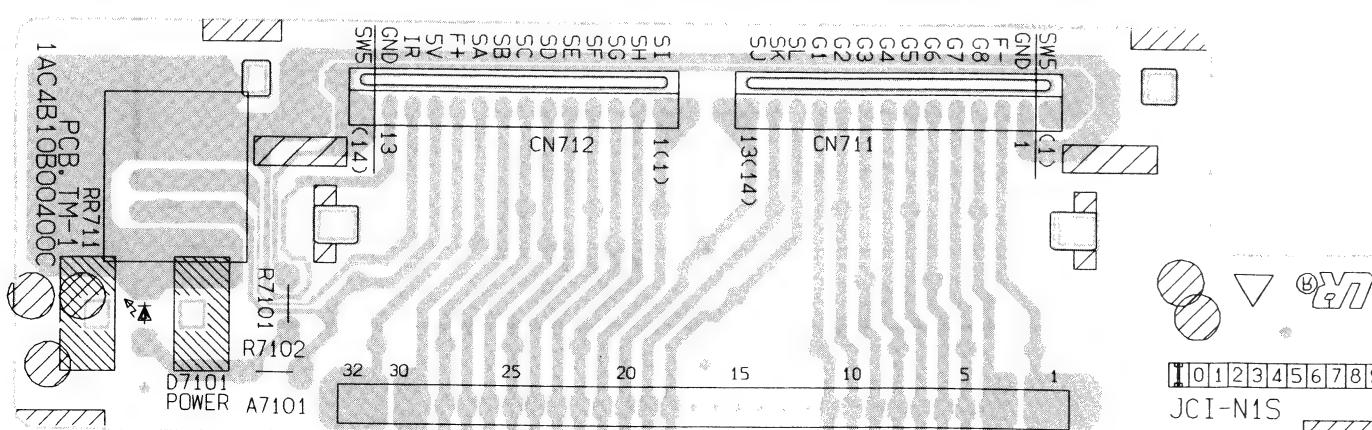


ANODE CONNECTION

GRID SEGMENT	G8	G7	G6	G5	G4	G3	G2	G1
a	C	◀	▶	REC	AM	VCR	L	●
b	SAT	k	■	—	—	k	R	k
c	a	a	—	a	a	a	a	a
d	b	b	■	b	b	b	b	b
e	c	c	—	c	c	c	c	c
f	d	d	—	d	d	d	d	d
g	e	e	—	e	e	e	e	e
h	f	f	—	f	f	f	f	f
i	g	g	—	g	g	g	g	g
j	l	l	—	l	l	l	l	l
k	m	—	—	⋮	—	M	⋮	m
l	BIL	ST	OFF	REM	PM	SP	LP	EP

GR-02300

2-16. TM-1 P.W.B.



K

J

I

H

G

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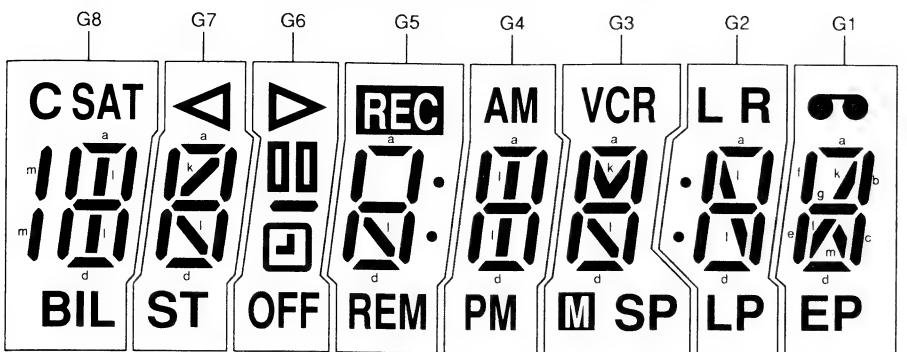
C

B

A

2-17. A7101 DISPLAY (FLD) GRID/ANODE ASSIGNMENT DRAWING & TABLE

GRID & SEGMENT ASSIGNMENT



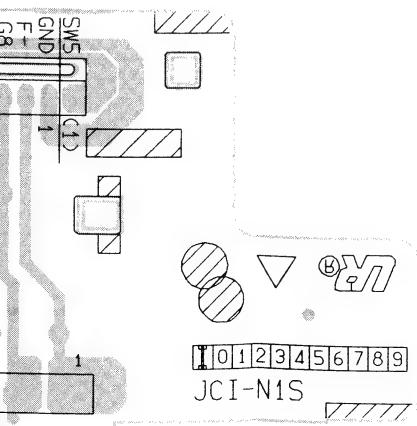
ANODE CONNECTION

GRID SEGMENT	G8	G7	G6	G5	G4	G3	G2	G1
a	C	△	△	REC	AM	VCR	L	●
b	SAT	k	II	—	—	k	R	k
c	a	a	—	a	a	a	a	a
d	b	b	□	b	b	b	b	b
e	c	c	—	c	c	c	c	c
f	d	d	—	d	d	d	d	d
g	e	e	—	e	e	e	e	e
h	f	f	—	f	f	f	f	f
i	g	g	—	g	g	g	g	g
j	l	l	—	l	l	l	l	l
k	m	—	—	•	—	M	•	m
l	BIL	ST	OFF	REM	PM	SP	LP	EP

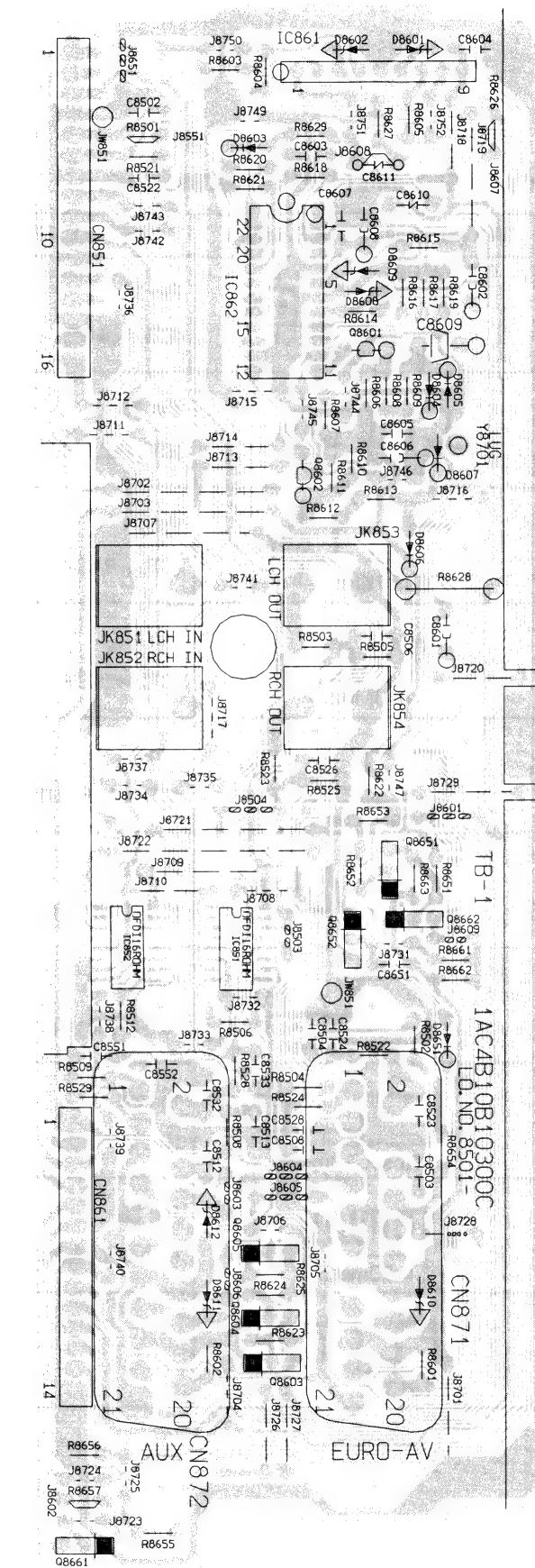
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D
A) CN301

A) CN302



2-18. TB-1 P.W.B.



1AC4B10B10300C
D. NO. 8501- J8701

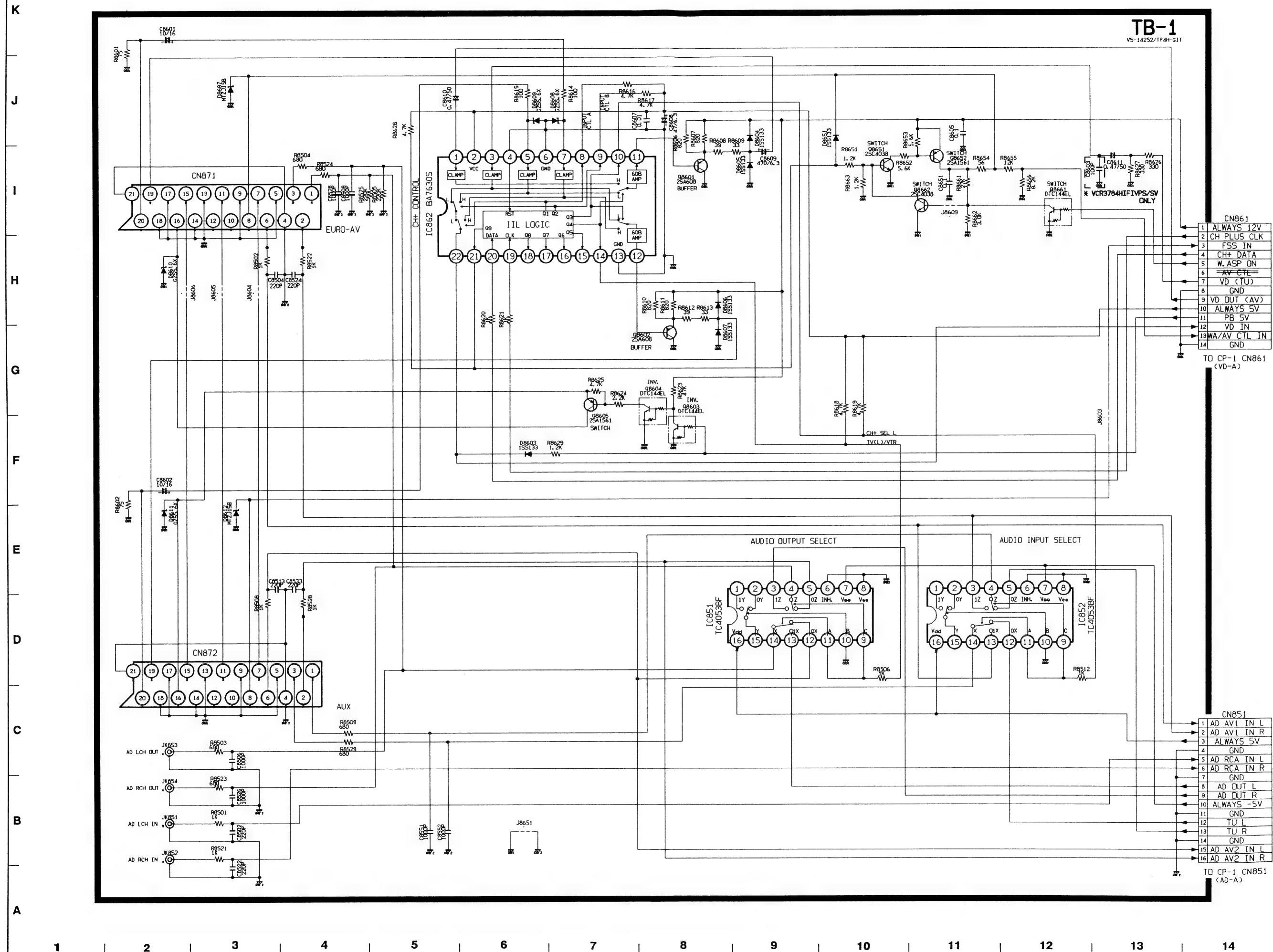
CN871 J8701

20 CN872 J8701

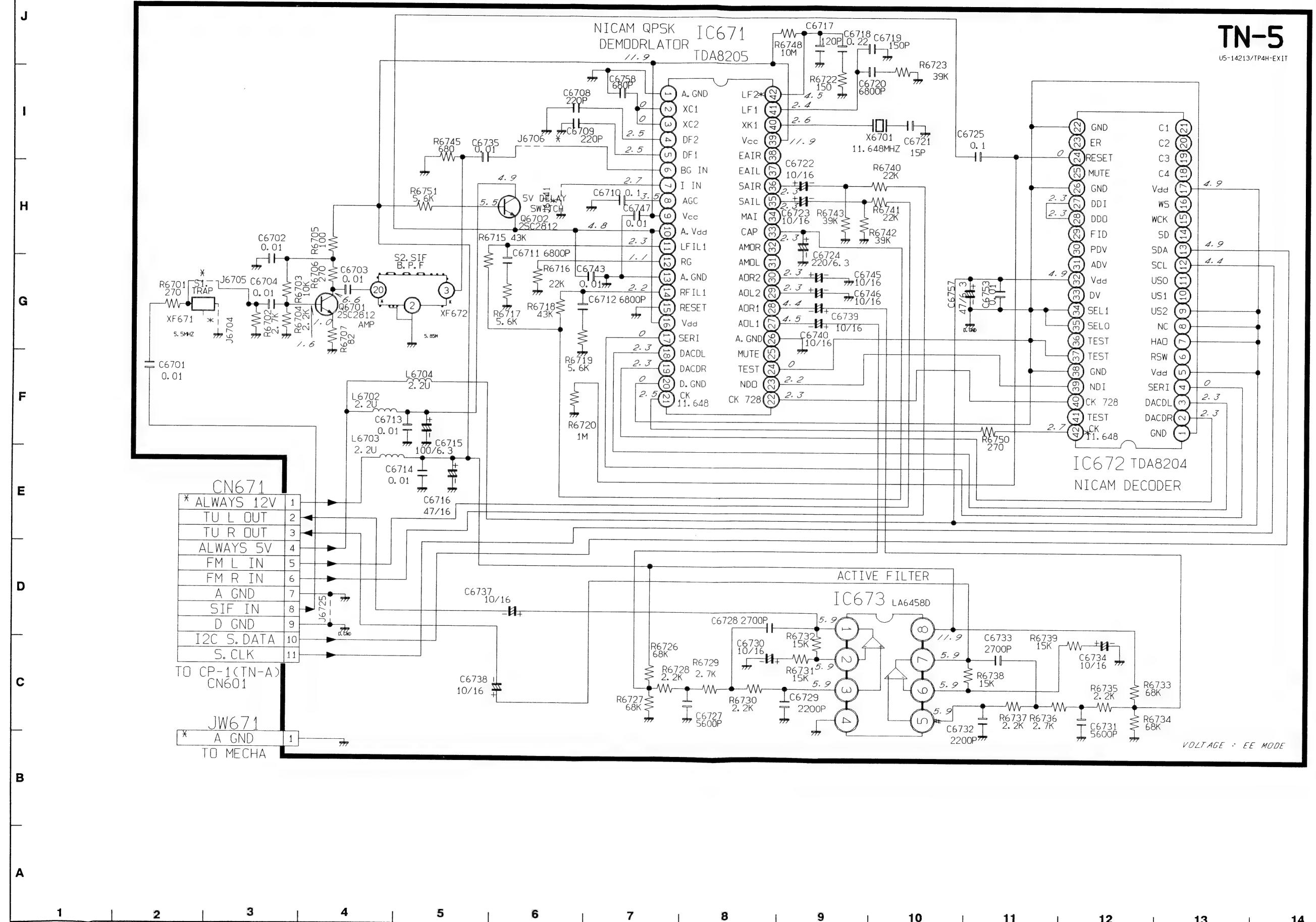
EURO-AV

2-19. TB-1 BOARD TERMINAL & INPUT/OUTPUT SELECTION (VCR 3784 HIFI VPS/SV & VCR 3784 HIFI N/SV)

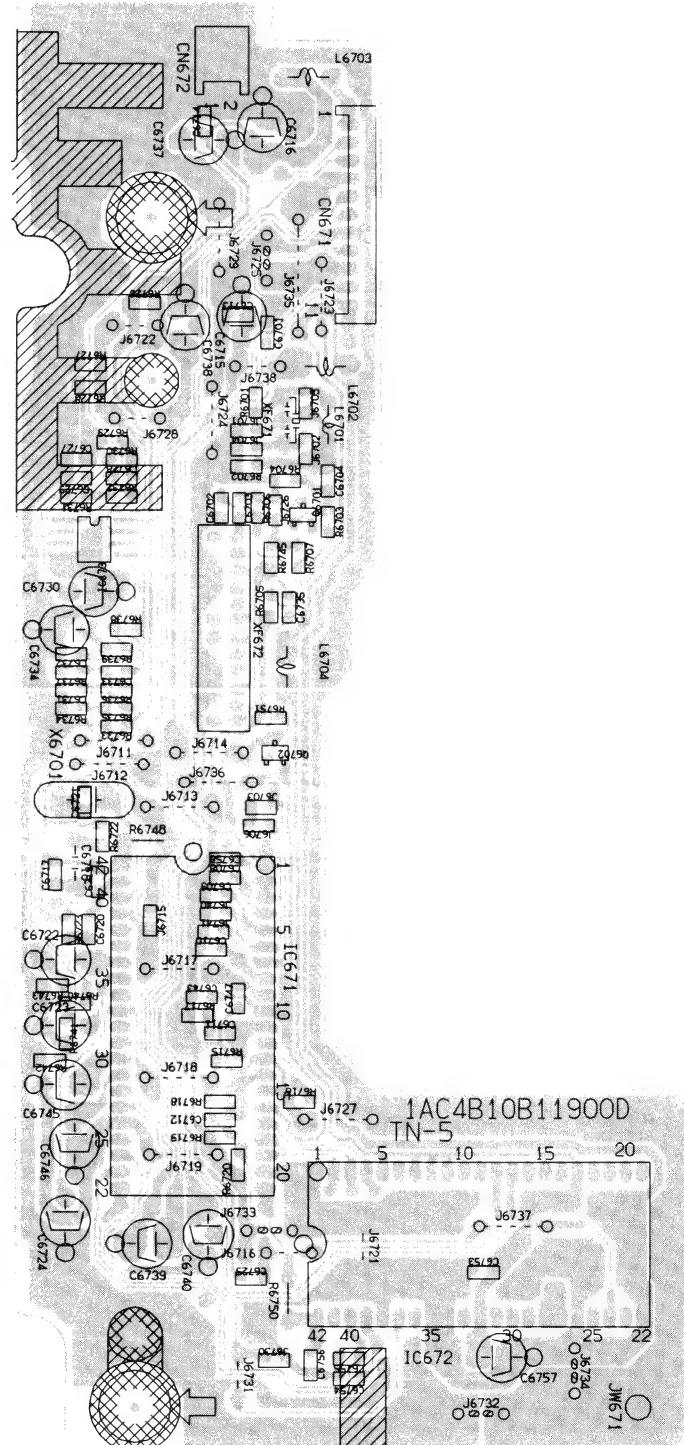
Note: The TB-1 circuit diagrams for the model VCR 3784 HIFI UK/VP is shown in page 43.



2-20. TN-5 BOARD NICAM (VCR 3784 HIFI N/S)



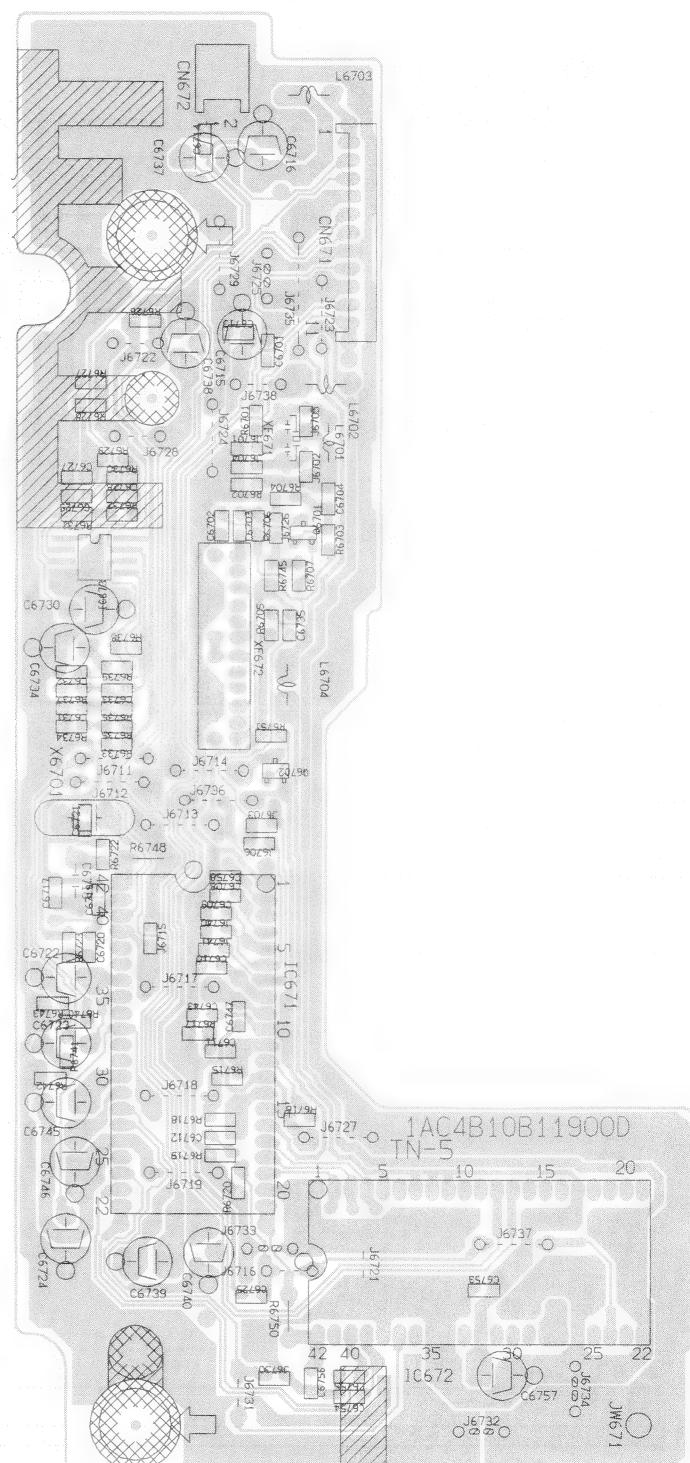
2-21. TN-5 P.W.B. (VCR 3784 HIFI N/SV, & VCR 3784 HIFI UK/VP)



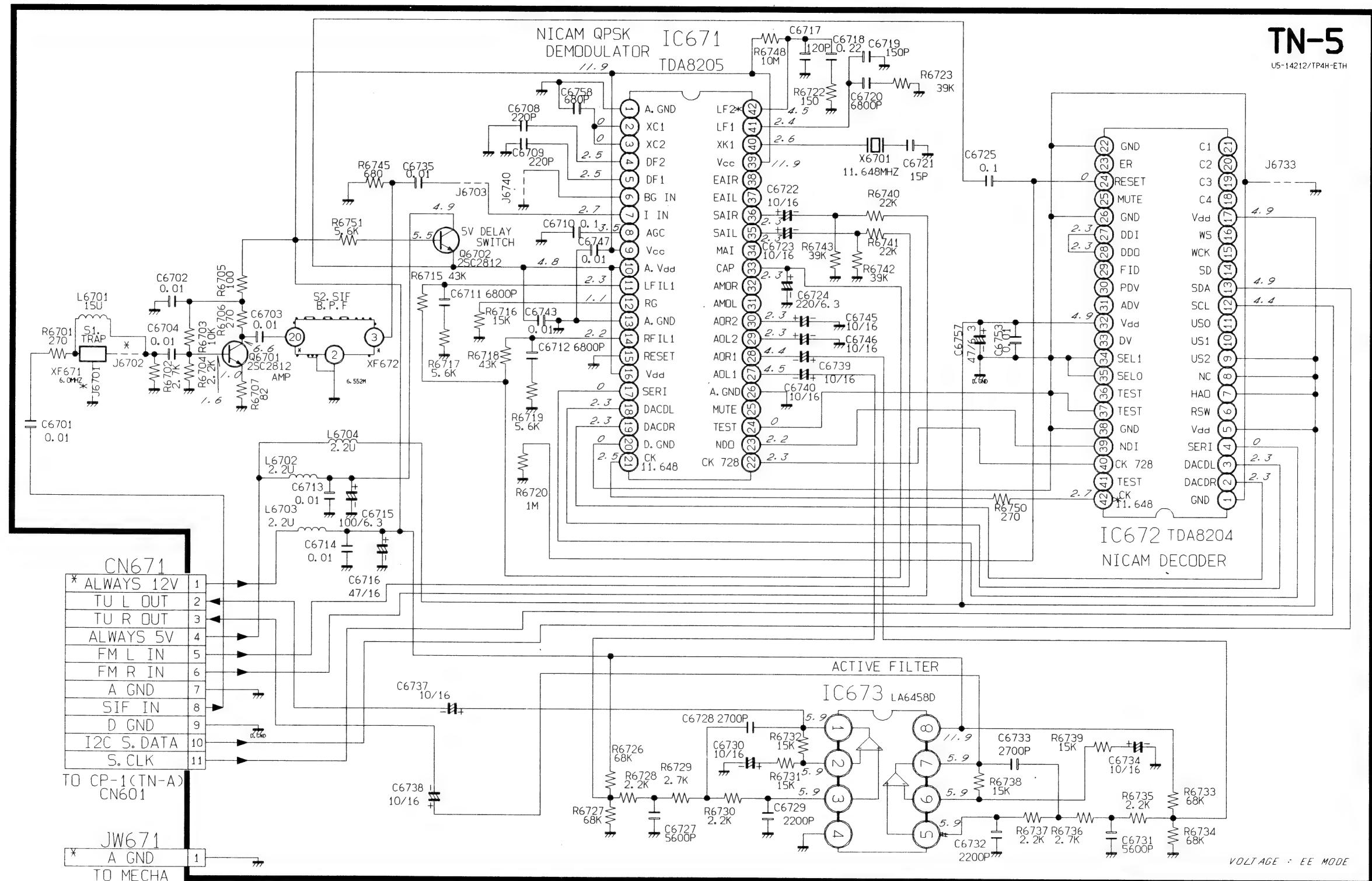
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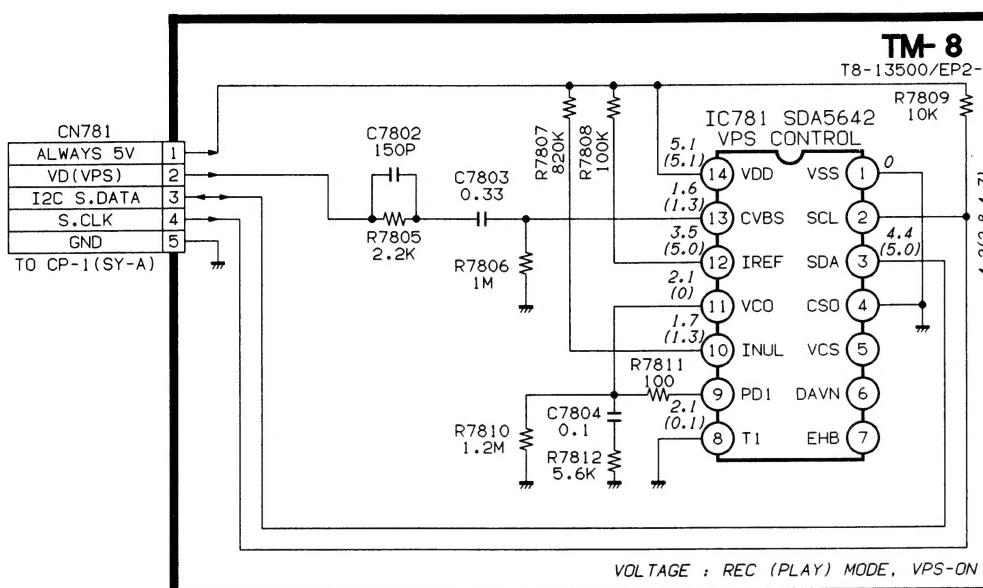
2-21. TN-5 P.W.B. (VCR 3784 HIFI N/SV, & VCR 3784 HIFI UK/VP)



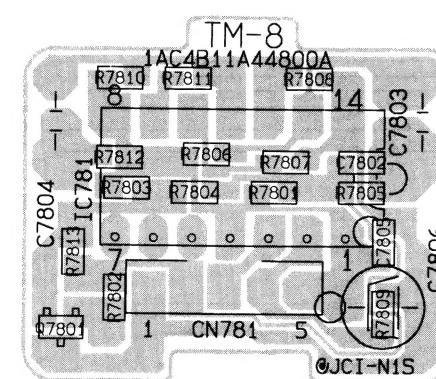
2-22. TN-5 BOARD NICAM (VCR 3784 HIFI UK/VP)



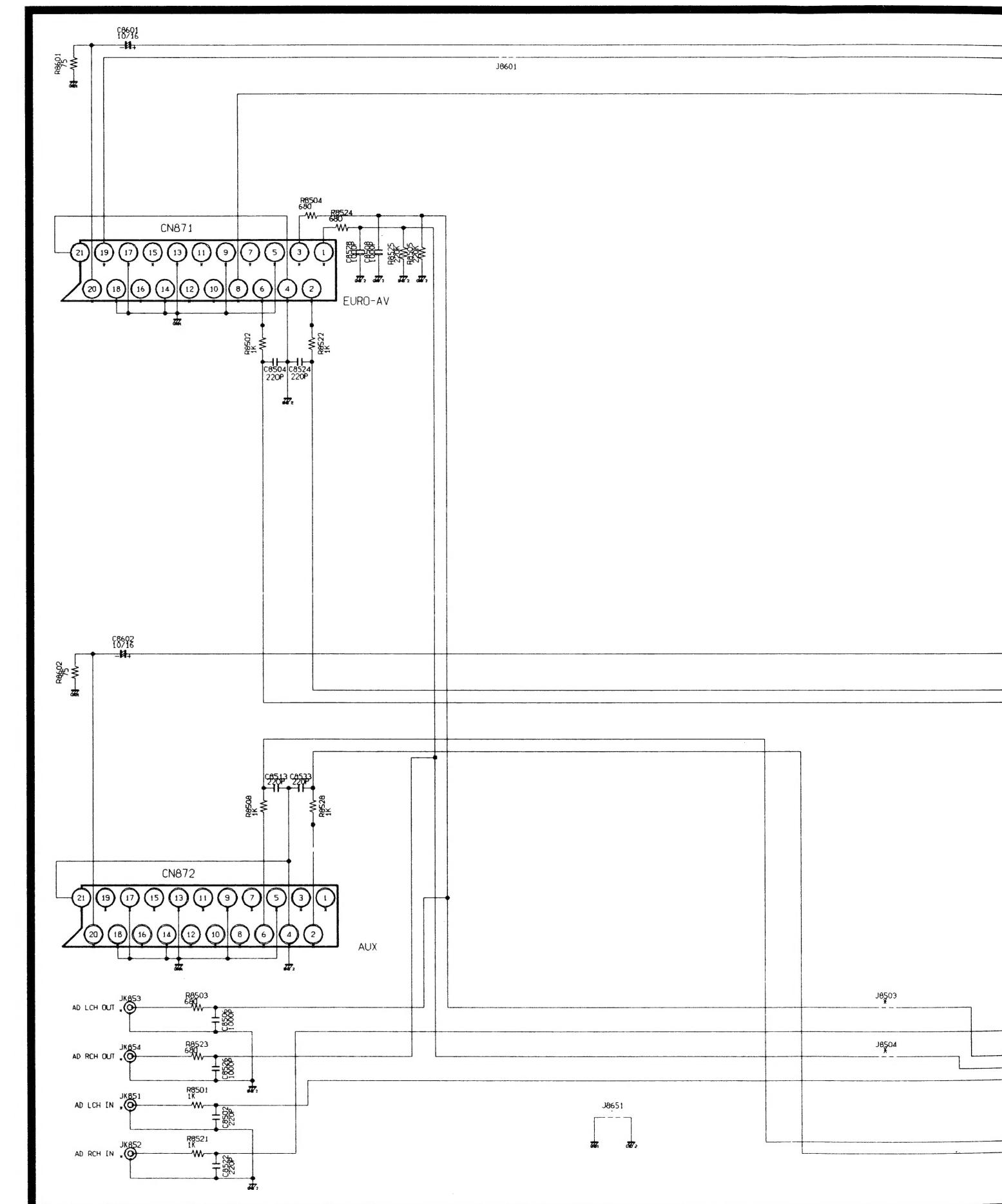
2-23. TM-8 BOARD VPS (VCR 3784 HIFI VPS/SV ONL)



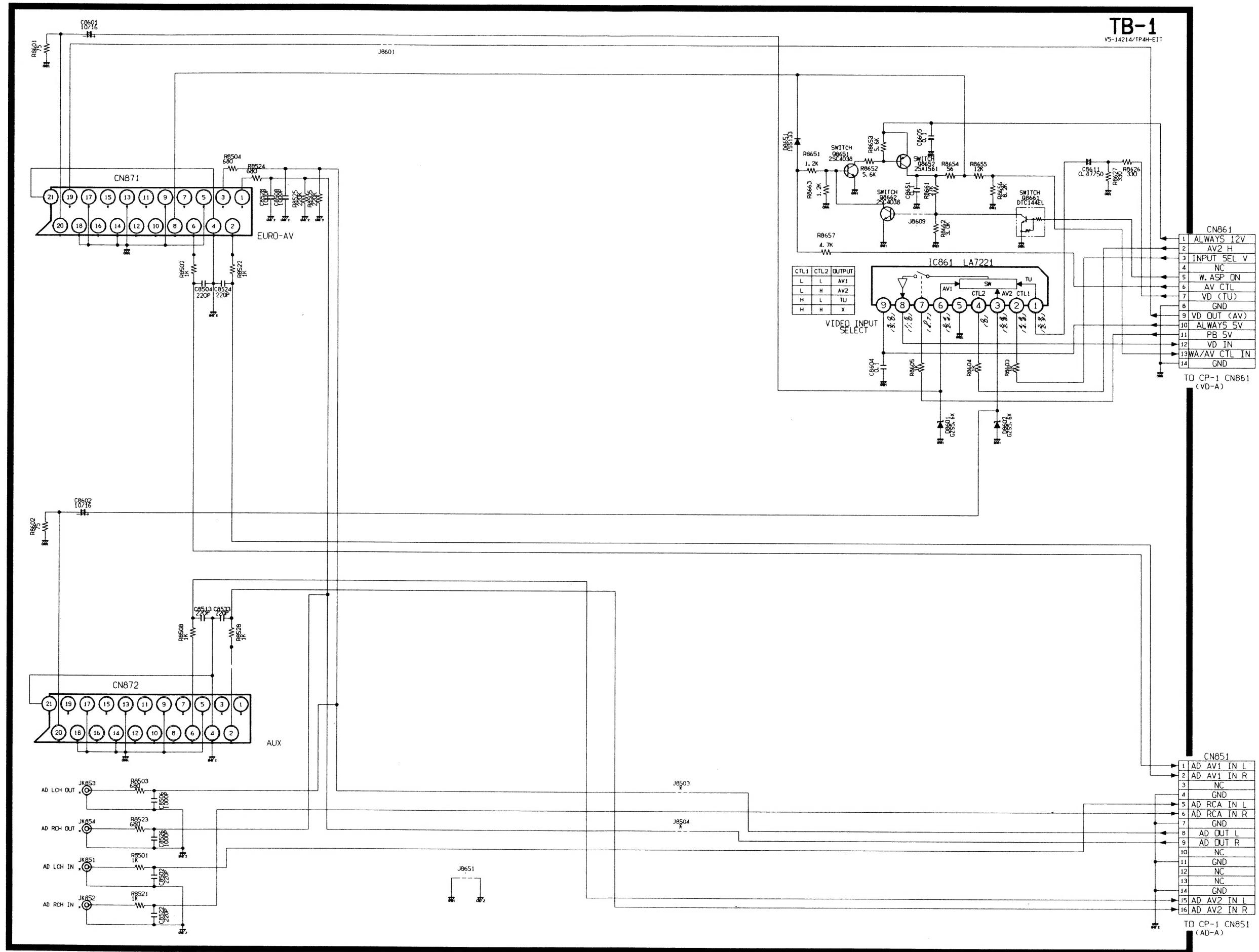
2-24. TM-8 P.W.B. (VCR 3784 HIFI VPS/SV ONLY)



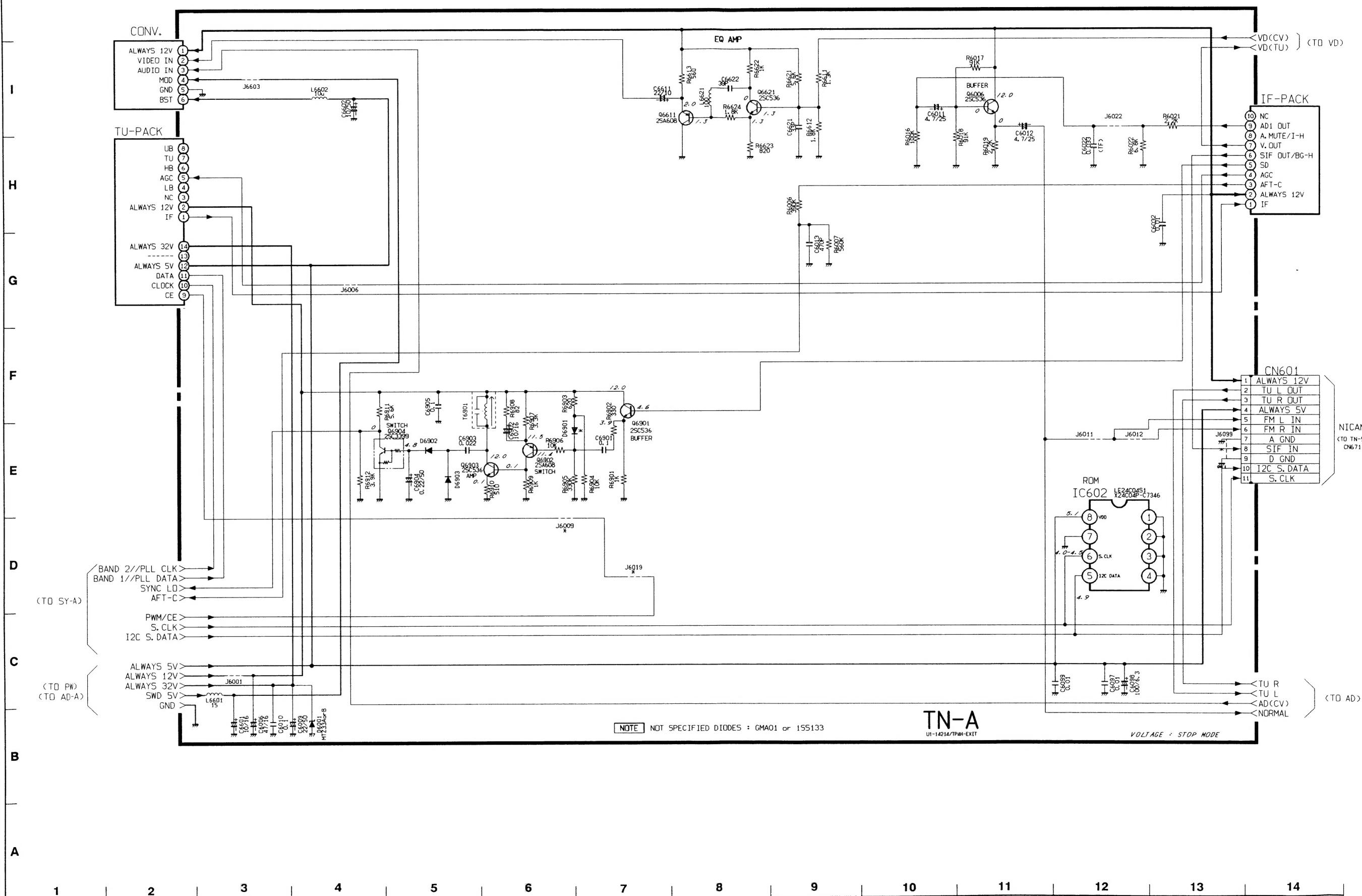
2-23. TM-8 BOARD VPS (VCR 3784 HIFI VPS/SV ONL)



2-25. TB-1 BOARD TERMINAL & INPUT SELECTIN (VCR 3784 HIFI UK/VP)



2-26. CP-1 BOARD (TN-A, CV-A) TUNER IF & RF CONVERTER CONNECTION (VCR 3784 HIFI N/SV)



2-27. CP-1 BOARD (TN-A, CV-A) TUNER IF & RF CONVERTER CONNECTION (VCR 3784 HIFI UK/VP)

